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Catalogue  
# 1 - 3652







D. A. Good  
1979

## Catalogue

$\frac{1}{2}$  mi. S,  $2\frac{1}{2}$  mi. W Bald Mtn., 5400 ft., Fresno Co., Calif. [T. 10 S, R. 25 E, N  $\frac{1}{4}$  Sec. 4]

### 5. October

1. ♂ *Passerella iliaca* 34gms., T. -  $1\frac{1}{2}$  mm., sk. unoss.
2. ♂ " " 37gms.
3. ♀ *Zonotrichia leucophrys* 25gms., O. -  $3 \times 2$  mm. (granular)
4. ♂ *Passerella iliaca* 32gms., T. - 1mm, sk. oss., mod. fat, no molt

### 6 October

5. ♀ " " 22gms., O. -  $3 \times 2$  mm., sk. oss., light fat, no molt
6. ? " " 27gms., sk. partly oss., light fat, no molt

$1\frac{1}{4}$  mi. E Ely Mtn., 2040 m., Fresno Co., Calif. [T. 9 S, R. 25 E, SW  $\frac{1}{4}$  sec. 9]

### 6 October

7. ♀ *Passerella iliaca* sk. unoss., mod. fat, no molt
8. ♀ " " O. -  $3 \times 2$  mm., sk. unoss., mod fat, no molt
9. ♀ " " 31gms, O. -  $2 \times 1$  mm., sk. unoss.
10. ? " " 34gms., sk. unoss. primaries in molt

### 7 October

11. ♂ " " 33gms., T. - 1.5 mm. sk. unoss, Lt. fat



Rf



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1 1/4 mi. E Ely Mtn., 2040 m., Fresno Co., Calif. [T. 9S, R. 25E, SW 1/4 sec. 9]

7 October

12. ♂ *Passerella iliaca* 33 gms., T.-1.5 mm. sk. unoss., lt. fat

13. ♂ *Picoides albolarvatus* 57 gms., T.-2.0 mm.

4 mi. S, 1 mi. E Hull Mtn., 750 m., Lake Co., Calif. [T. 19N, R. 10W, SW 1/4 Sec. 36]

11 December

14 ♂ *Passerella iliaca* 36 gms. T.-1 mm, <sup>sk unoss.</sup> mod fat, no molt

15 ♂ " " 37 gms, T.-1 mm, sk. oss., mod fat, no molt.

16 ♀ *Wrentit* 15 gms. O.-4x2 mm, sk. unoss., mod. fat, no molt

17 ♂ " 16 gms, T.-1 mm, sk. oss., mod. fat, no molt

18 ♂ " 16 gms, T.-1 mm, <sup>sk. unoss., O.-light fat, no molt.</sup> ~~sk. oss., mod. fat, no molt.~~

19 ♂ " <sup>(no heart tissue)</sup> 16 gms. T.-1 mm, sk. oss., mod.-heavy fat, no molt.

20 ♂ *Passerella iliaca* 40.0 gms, T.-1 mm, sk. unoss., very fat, no molt.

21 ♂ " " 40.0 gms T.-1 mm, sk. unoss., mod. fat, no molt.

22 ♂ " " 35.6 gms T.-1 mm, sk. unoss., mod. fat, no molt







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4 mi. S, 1 mi. E Hull Mtn., 750m., Lake Co., Calif. [T. 19 N, R. 10 W, SW 1/4 Sec. 36]

12 December

23. ♂ *Passerella iliaca* 38gms., T-1mm, very fat, no molt, sk. oss.

22284 24. ♂ " " 30gms. T-1mm, sk. unoss., mod. fat, no molt

22286 25. ♂ " " 35gms., sk. unoss., mod.-heavy fat

— 26. ♂ " " 38.5gms.

22287 27. ♀ *Toxostoma redivivum* 91gms., sk. unoss., mod. fat.

22288 28. ♂ *Passerella iliaca* 38gms T-1mm, sk unoss, mod. fat, no molt  
2 vials: one ♂ DAG orig., one ♀ DAG

22289 29 ♀ Wrentit 12gms O.-3x1mm, sk. oss., mod. fat

22215 30 ♂ *Passerella iliaca* <sup>39gms</sup> T-1mm, sk unoss., heavy fat, no molt

22290 31 ♂ " " wt=? T-1mm, sk. oss., mod. fat, no molt

2 1/2 mi. E High Pk. <sup>650m.</sup> Lake Co., Calif. [T. 18 N, R. 11 W, NW 1/4 Sec. 24]

11 December

32 ♂ *Pipilo erythrophthalmus* <sup>wt=?</sup>, sk. unoss, mod. fat, no molt T-1mm







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# Catalogue

Telephone Campgrounds, 1.5 mi. N,  $\frac{1}{4}$  mi. W Black Butte, 2010m,  
Glenn Co., Calif. [T. 22N, R. 9W, NW $\frac{1}{4}$  sec 21]

22 June

complete  
skeleton  
+ tissues

50. ♂ Parus gambeli, sk. oss, T-  $7 \times 5\frac{1}{2}$  mm., trace fat, no molt,  
11.5gms.,

" 51. ♂ Parus gambeli 10.9gms., T-  $4 \times 3$  mm, sk. oss, trace fat, no  
molt

" 52. ♂ Parus gambeli 11.5gms., T-?, sk. oss., no fat, no molt

$\frac{1}{4}$  mi. N Black Butte, 2080m, ~~Black Butte~~, Glenn Co., Calif.  
[T. 22 N, R. 9W, NW $\frac{1}{4}$  sec 27]

Partial  
skeleton + skin  
+ tissues

53. ♀ Parus gambeli, 10.0gms., O-  $5 \times 3$  mm, largest ovum-1mm, inactive  
brood patch, sk. oss, no molt, trace fat.

complete  
skeleton +  
tissues

54. ♂ Parus gambeli, 11.9gms., sk. oss, no fat, no molt, T-  $7.5 \times 5.5$   
mm.

tissues 55. ♂ Parus gambeli, 12gms., nestling T-  $1 \times 1$  mm,

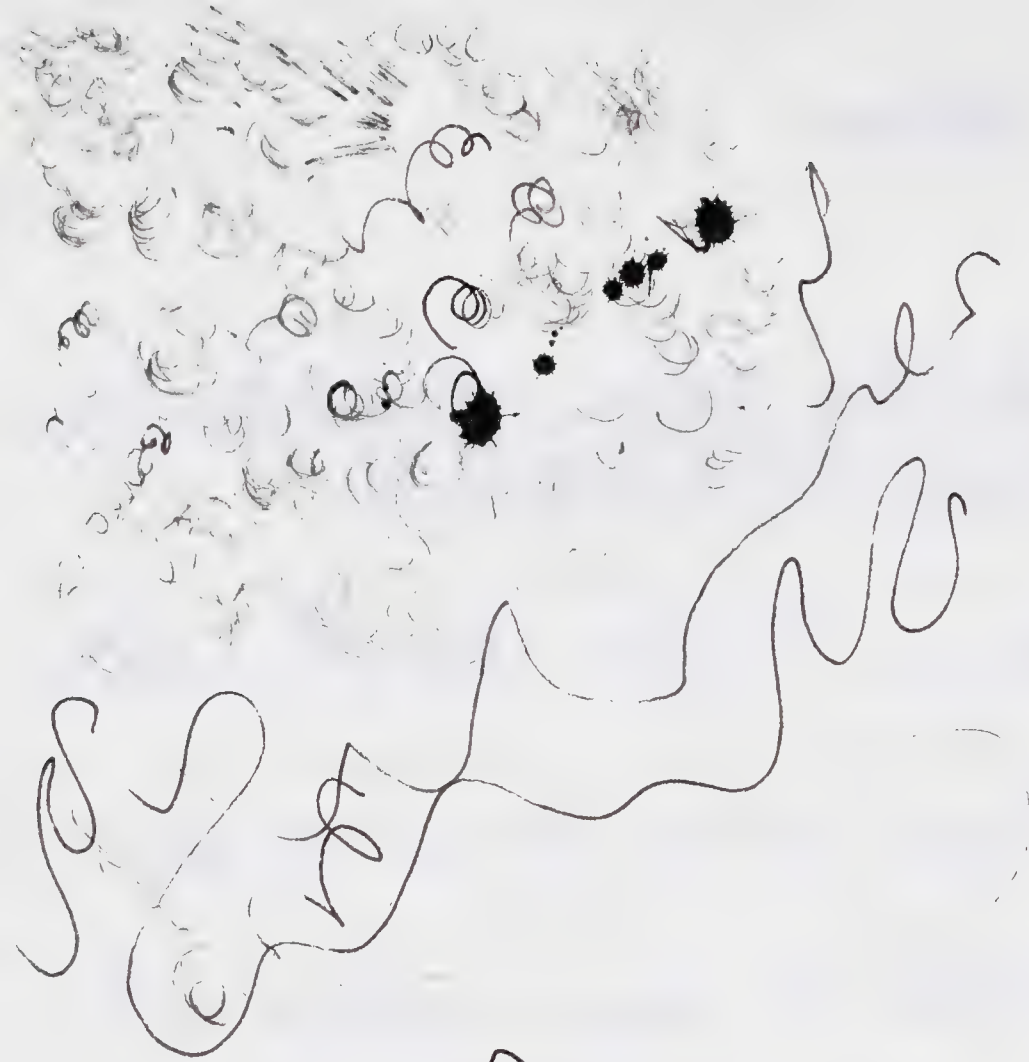
" 56. ♀ Parus gambeli, 11.0gms, nestling, O-  $2 \times 1$  mm

" 57. ♂ Parus gambeli 11.0gms, nestling, T-  $1 \times 1$  mm.

" 58. ♂ Parus gambeli 11.1gms., nestling, T-  $1 \times 1$  mm,

" 59. ♀ Parus gambeli, 10.9gms, nestling, O-  $2 \times 1$  mm.,







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## Catalogue

1/4 mi. N Black Butte, 2080 m, Glenn Co., Calif. [T. 22 N, R. 9 W, NW 1/4  
sec 27]

22 June

tissues 60. ♂ Parus gambeli, 9.5 gms., T-1x1 mm, nestling,

" 61. ♂ Parus gambeli, 10.3 gms., T-1x1 mm, nestling,

complete  
skeleton + tissues

62. ♂ Parus gambeli 12.8 gms, T- 8x5 mm, sk. oss., no molt,  
trace fat, collected by Susan Kaiser.

1/4 mi. E Anthony Pl., 1950 m, Mendocino Co., Calif  
[T. 23 N, R. 10 W, SW 1/4 sec. 15]

complete  
skeleton + tissues

63. ♂ Parus gambeli, 12.2 gms, T- 7x4.5 mm, sk. oss., no molt  
trace fat, collected by Bob Zink.

23 June

skin, tissues,  
partial  
skeleton

64. ♂ Parus gambeli, 11.6 gms, T- 7x5 mm, sk. oss., no fat,  
no molt.

full skel. +  
tissues

65. ♂ Parus gambeli, 11.6 gms, T- 7x5 mm, sk. oss., no fat,  
no molt.

"

66. ♂ Parus gambeli, 11.1 gms., T- 6.5x4.5 mm, sk. oss., no  
fat, no molt

skin, tissues,  
partial  
skeleton

67. ♀ Parus gambeli, 10.3 gms, O- 3x2 mm, post breeding,  
regressing brood patch, no fat, no molt

full skeleton  
+ tissues

68. ♂ Parus gambeli, 10.9 gms., T- 4x3 mm,







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# Catalogue

¼ mi. E Anthony Pk., 1950 m, Mendocino Co., Calif. [T. 23 N,  
R. 10 W, SW ¼ sec. 15]

23 June

full skull +  
tissues

69. ♂ Parus gambeli, 11.0 gms. T. -  $7 \times 5$  mm, sk. oss., no molt,  
no fat

70. ♂ Parus gambeli, 10.7 gms. T. -  $4\frac{1}{2} \times 4$  mm, sk. oss., no molt,  
no fat

hair, tissues,  
partial  
skull

71. ♂ Parus gambeli, 11.5 gms, T. -  $5 \times 3\frac{1}{2}$  mm, sk. oss., trace  
fat, no molt

full skull.  
+ tissues

72. ♂ Peromyscus 165-79-22-17 = 24.0 gms., T. -  $11 \times 7$  mm  
(abdominal)

8 mi. N, 6 mi. W North Yolla Bolly Mtn., 1480 m., Trinity  
Co., Calif. [T. 25, R. 11 W, NW ¼ sec. 3]

24 June

hair  
+ tissues

73. ♂ Sphyrapicus ruber, 45.0 gms., T. -  $4 \times 2$  mm., no fat, no  
molt, brood patch present

25 June

skin  
+ tissues

74. ♂ Sialia mexicana, 28.0 gms., T. -  $10 \times 7\frac{1}{2}$  mm., light fat,  
no molt, sk. oss.

75. ♀ Sialia mexicana, ca. 29 gms., O. -  $7 \times 5$  mm, largest  
ovum  $1\frac{1}{2}$  mm., light fat, no molt, sk. oss.

skin,  
partial skull +  
tissues

76. ♂ Parus gambeli, 12.5 gms., T. -  $7 \times 4\frac{1}{2}$  mm., sk. oss., no fat,  
tail in molt.







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# Catalogue

8 mi. N + 6 mi. W North Yolla Bolly Mtn., 1480 m., Trinity Co.,  
Calif. [T. 25, R. 11 W, NW 1/4 sec. 3]

25 June

complete  
skel. + tissues

77.

♀ Parus gambeli, 10.8 gms., O. -  $3 \times 2$  mm., brood patch, sk. oss.,  
no molt, no fat.

mother of  
78 + 79 + 80

alcohol  
+ tissues

78.

♂ Parus gambeli, 10.4 gms., T. -  $1 \times 1$  mm., ~~nestling~~ fledgling,

"

79.

♂ Parus gambeli, 11.0 gms., T. -  $1 \times 1$  mm., ~~nestling~~ fledgling,

"

80.

♀ Parus gambeli, 10.0 gms., O. -  $2 \times 1$  mm., fledgling,

tissues +  
skel.  
+ tissues

81.

♂ Turdus migratorius, 65.0 gms., T. -  $13 \times 8$  mm.,

alcohol +  
tissues

82.

♀ Parus gambeli, 8.8 gms., O. -  $1 \frac{1}{2} \times 1$  mm., nestling

"

83.

♂ Parus gambeli, 10.2 gms., T. -  $1 \times 1$  mm., nestling

"

84.

♀ Parus gambeli, 8.8 gms., O. -  $2 \times 1$  mm., nestling

body type +  
alcohol

85.

♀ Parus gambeli, wt. - ?, O. -  $2 \times 1$  mm., nestling

"

86.

♀ Parus gambeli, 9.0 gms., O. -  $2 \times 1$  mm., nestling

complete skel.  
+ tissues

87.

♀ Turdus migratorius, 78.0 gms., O. -  $7 \times 7$  mm., largest follicle -  
1 mm., sk. oss., no molt, no fat, brood patch

"

88.

♀ Parus gambeli, 10.7 gms., sk. oss., O. -  $5 \times 2$  mm., largest  
ovum 1 mm., trace fat, all tail feathers in molt.



2000

2000

2000

2000



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# Catalogue

8 mi. N + 6 mi. W North Yolla Bolly Mtn., 1480 m., Trinity Co.,  
Calif. [T. 25, R. 11W, NW 1/4 sec. 3]

25 June  
complete skull.  
+ tissues

89. ♂ Bushtit, 5.7 gms., sk. unoss. T. - 1x1 mm., little fat,  
no molt

26 June  
skull  
+ tissues of 92  
skull +  
tissues

- 90 ♀ Parus gambeli, 10.2 gms., O. - 3x2 mm., brood patch,  
no fat, no molt.

91. ♂ Parus gambeli 11.4 gms., T. - 9x5 mm., cloacal protuberance,  
no fat, no molt,

- alcohol  
+ tissues 92. ♂ Parus gambeli 10.3 gms., fledgling, T. - 1x1 mm.,

1/2 mi. <sup>S</sup> + 1 mi E Good's Mtn., 915 m., Shasta Co., Calif. [T. 29 N, R. 10 W,  
N 1/2 sec. 9]

complete skull.  
+ tissues

93. ♂ Parus gambeli, 13.1 gms., T. - 7x5 1/2 mm., feathers missing  
from top of head (old injury?), cloacal protub., trace fat, no molt

- skin 94. ♂ Piranga ludoviciana, 29.8 mm., T. - 10x7 mm., no fat,  
body in molt, 1st yr. bird

complete skull.  
+ tissues

95. ♀ Pipilo fuscus, 55.0 gms., T. - 10x7 mm., cloacal protub., no fat,  
no molt.

complete skull.  
+ tissues

96. ♀ Pipilo erythrophthalmus, 38.8 gms., O. - 8x5 mm., largest  
ovum - 2 mm., collapsed follicle, well developed brood patch,  
no molt, trace fat.







D.A. Good  
1980

# Catalogue

$\frac{1}{2}$  mi. S + ~~1~~<sup>W</sup> mi. ~~W~~ Scott Mtn. summit, 1620 m., Trinity Co.  
Calif. [T. 39 N, R. 7 W, SE  $\frac{1}{4}$  sec. 5]

27 June

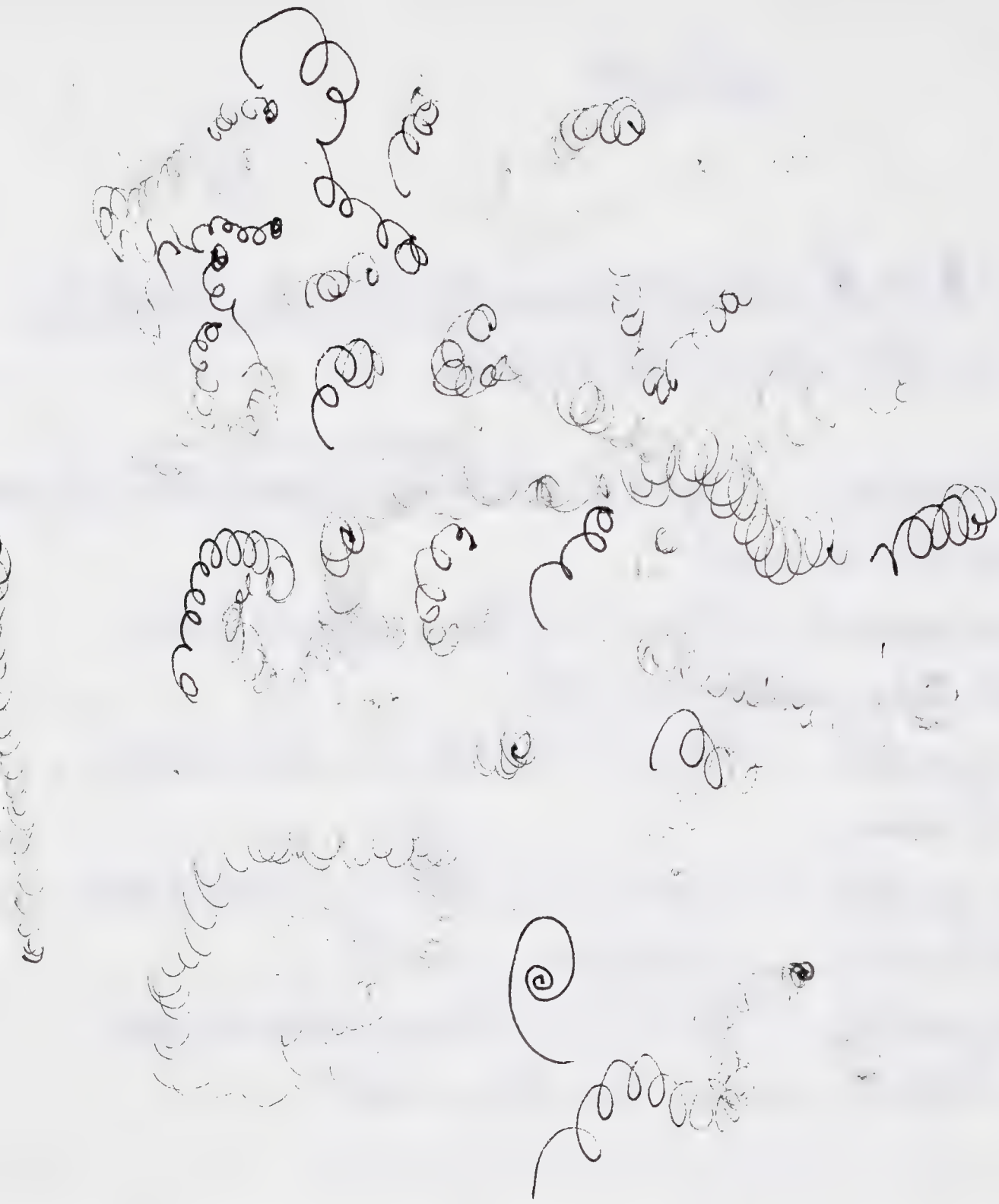
- complete  
skel +  
tissues 97. ♀ Parus gambeli, 10.9 gms, O. -  $4 \times 2$  mm, <sup>lgt ovum - < 1 mm.</sup> brood patch, sk. oss,  
trace fat, no molt
- skint  
tissues  
partial skel. 98. ♂ Parus gambeli, 11.8 gms, T. -  $8 \times 6$  mm, cloacal protub.,  
coll. S. Kaiser, no fat, no molt.
- full skel  
+ tissues 99. ♂ Parus gambeli, 11.7 gms, T. -  $4\frac{1}{2} \times 3$  mm, cloacal protub.,  
coll. S. Kaiser,
- " 100. ♂ Parus gambeli, 12.0 gms, T. -  $8 \times 6\frac{1}{2}$  mm, cloacal protub.,  
coll. RM Zink, no fat, sk. oss, no molt
- " 101. ♂ Parus gambeli, 12.7 gms, T. -  $8 \times 5$  mm, cloacal protub.,  
coll. RM Zink, sk. oss, have fat, no molt.

$1\frac{1}{2}$  mi. N + 3 mi. W Eaton Pk., 1650 m., Siskiyou Co., Calif.  
[T. 40 N, R. 10 W, SW  $\frac{1}{4}$  sec. 14]

28 June

- skel +  
tissues 102. ♀ Myadestes townsendi, 32.8 gms, O. -  $9 \times 5$  mm, <sup>lgt ovum - 1 mm.</sup> trace fat,  
no collapsed follicles, poorly developed brood patch, sk. oss, no molt
- skel. 103. ♀ Cinclus mexicanus, 44.3 gms, sk. unoss, O. -  $2\frac{1}{2} \times 1$  mm,  
mod. fat, no molt.
- complete skel  
+ tissues 104. ♂ Psittiparus minimus, 6.0 gms, T. -  $5 \times 3$  mm, sk. oss.,  
little fat, no molt.
- skel 105. ♂ Selasphorus rufus, 3.1 gms, T. -  $1 \times 1$  mm, no fat.
- complete  
skel  
+ tissues 106. Parus gambeli, 12.3 gms?





*Alvin*





D. A. Good  
1986

# Catalogue

End of 40N54,  $1\frac{1}{2}$  mi. N +  $2\frac{1}{2}$  mi W Eaton Pk., 1830m.,  
Siskiyou Co., Calif. [T. 40N, R. 10W, SE  $\frac{1}{4}$  sec. 14]

28 June

- complete shell.  
+ tissues 106. ♂ Parus gambeli, 12.3gms, T. -  $6 \times 4\frac{1}{2}$  mm., sk. oss, trace fat,  
no fat.
- complete shell  
+ tissues 107. ♀ Parus gambeli 13.0gms., O. -  $6 \times 4$  mm., <sup>lyst ovum - 1mm.</sup> brood patch, no  
collapsed follicles, trace fat, sk. oss. coll. R. M. Zink

29 June

- complete shell.  
+ tissues 108 ♂ Parus gambeli, 11.9gms, T. -  $5\frac{1}{2} \times 4\frac{1}{2}$  mm., cloacal protub., sk.  
oss., no molt, no fat
- " 109. ♀ Parus gambeli, 12.0gms., O. -  $5 \times 5$  mm, <sup>lyst ovum - 1mm.</sup>  
sk. oss., no molt, trace fat.

Thompson Ridge, 1 mi. S + 3 mi. W Pyramid Pk., 1580m.,  
Siskiyou Co., Calif. [T. 18N, R. 6W, NW  $\frac{1}{4}$  sec. 10]

30 June

- ~~Parus gambeli~~
- + tissues 110 ♂ Parus gambeli, 12.0gms, T. -  $7\frac{1}{2} \times 5$  mm, cloacal protub.,  
no fat, no molt,
- + tissues 111. ♀ Parus gambeli, 10.8gms., O. -  $4 \times 2$  mm, <sup>lyst ovum - < 1mm.</sup>  
brood patch, sk. oss, no fat, no molt
- complete shell.  
+ tissues 112. ♂ Sitta canadensis, 9.9gms, T. -  $3\frac{1}{2} \times 2\frac{1}{2}$  mm., sk.  
oss, trace fat
- + tissues 113. ♀ Parus gambeli, 11.5gms, O. -  $4\frac{1}{2} \times 4$  mm., <sup>lyst ovum - 1mm.</sup>  
brood patch, light fat, no molt.



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1980

# Catalogue

Thompson Ridge, 1 mi. S + 3 mi. W Pyramid Pk., 1580m., Siskiyou Co., Calif. [T. 18 N, R. 6 W, NW  $\frac{1}{4}$  sec. 10]

1 July  
skin + tissues 114.

♂ Parus rufescens 8.9 gms., T. - 7 x 5 mm., cloacal protub.,  
sk. oss., no fat, no molt.

Thompson Ridge, 3  $\frac{1}{2}$  mi. W Pyramid Pk., 1660m., Siskiyou Co., Calif. [T. 18 N, R. 6 W, NE  $\frac{1}{4}$  sec. 4]

1 July.

complete  
skel + tissues 115.

♂ Parus gambeli <sup>10.9</sup>~~8.8~~ gms., T. - 6 x 4  $\frac{1}{2}$  mm., cloacal protub., sk.  
oss., no molt, no fat.

skin + partial skel.  
+ tissue 116.

♂ Parus gambeli <sup>11.8</sup>~~11.8~~ gms., T. - 7 x 5 mm., cloacal protub., sk. oss.,  
no molt, no fat, prep. - S. Kaiser

complete skel  
+ tissues 117.

♂ Parus gambeli, 11.2 gms., T. - 7 x 5 mm., cloacal protub., sk. oss.,  
no fat, no molt

skin  
+ tissues 118.

♂ Sitta canadensis, 11.0 gms., T. - 4 x 3 mm., cloacal protub.  
no fat, no molt

complete skel.  
+ tissues 119.

♂ Parus gambeli, 12.0 gms., T. - 8 x 6 mm., cloacal protub.,  
trace fat, no molt.

N slope Whaleback, 9 mi. N + 5 mi. E summit Mt. Shasta,  
1800m., Siskiyou Co., Calif. [T. ~~18~~ N, R. 2 W, SE  $\frac{1}{4}$  sec. 20]

2 July

plate  
skel + tissues 120.

♀ Parus gambeli, 10.3 gms., O. - 2  $\frac{1}{2}$  x 1  $\frac{1}{2}$  mm., brood patch,  
no molt, trace fat.

table skel +  
3/123  
alcohol + tissues 121.

♂ Parus gambeli 10.1 gms., fledgling, T. - 1 mm.,





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~~Parus gambeli~~  
Catalogue

N slope Whaleback, 9 mi N + 5 mi E summit Mt. Shasta,  
1800 m., Siskiyou Co., Calif. [T. 43 N, R. 2 W, SE  $\frac{1}{4}$  sec. 20]

2 July  
complete  
skel +  
tissues

122. ♀ Parus gambeli, 10.0 gms., O.-?, brood patch, sk. oss.,  
trace fat, no molt

all sibling  
skel + tissues

123. ♂ " " 11.5 gms., fledgling, T.-1 mm.,

complete  
skel +  
tissues

124. ♀ " " (coll. S. Kaiser), 11.8 gms., O.-4x3 mm., lgst  
ovum 1 mm., brood patch, no molt, trace fat

" 125. ♀ " " (coll. S. Kaiser), 10.5 gms., O.-3x2 mm., lgst.

skin +  
tissues  
+ partial  
skel.

ovum < 1 mm., brood patch, no molt, no fat  
126. ♂ " " (coll. S. Kaiser), 12.5 gms., T.-3½x2½ mm.,  
cloacal protub.(?), trace fat, no molt

3 July  
complete  
skel. +  
tissues

127. ♀ Parus gambeli, 10.1 gms., O.-4x2½, lgst ovum < 1 mm.,  
slight brood patch, trace fat, wing + tail in molt, sk. oss.

" 128. ♂ " " , 12.0 gms., T.-8x5 mm., cloacal protub.,

" 129. ♂ " " 12.1 gms., T.-8x6 mm., cloacal protub.  
no fat, no molt. ~~no fat~~

skin  
tissues 130. ♀ Catharus guttatus, 24.5 gms., O.-6x4 mm., lgst. ovum-  
2 mm., brood patch, no molt, no fat, sk. oss.

complete  
skel. + tissues 131. ♂ Parus gambeli, 12.2 gms., T.-4x2½ mm., little cloacal  
protub. sk. oss., trace fat, wing in molt

" 132. ♂ " " , 11.8 gms., T.-2x1½ mm., cloacal protub.

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Handwritten scribbles and marks in the upper left quadrant.

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1980

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W Slope Whaleback, 8 1/2 mi. N + 2 mi. E Mt. Shasta, 2050 m.,  
Siskiyou Co., Calif. [T. 43 N, R. 3 W, SW 1/4 sec. 26]

4 July

complete  
skel +  
tissues

133. ♀ *Parus gambeli*, 9.5 gms., O. - who knows?, sk. prob. ossified,  
no molt, no fat

"

134. ♂ " " , 12.4 gms., T. - 7 x 5 1/2 mm,

Spencer Creek, 1230 m., 2 mi. N + 3 mi. E Buck Mtn., Klamath  
Co. Oregon, [T. 39 S, R. 6 E, SW 1/4 sec. 2]

7 July

complete skel.  
+ tissues

135. ♀ *Parus gambeli*, 10.2 gms., O. - 3 x 2 mm., lgst. ovum < 1 mm.,  
brood patch, trace fat, sk. oss., no molt, coll. R. M. Zink

"

136. ♂ " " , 11.8 gms., T. - 7 1/2 x 5 mm., sk. oss., trace  
fat, no molt, coll. R. M. Zink.

2 mi. S + 2 mi. W Mt. McLoughlin, 1500 m., Jackson Co.,  
Oregon [T. 36 S, R. 4 E, NE 1/4 sec. 28]

10 July

complete skel.  
+ tissues

137. ♀ *Dendroica occidentalis*, 8.8 gms., O. - 6 x 4 mm., lgst. ovum - 1 mm.,  
brood patch, sk. oss., no fat, no molt

skin +  
tail skel. +  
tissues

138. ♀ *Parus gambeli*, 11.8 gms., O. - 3 x 2 mm., brood patch  
sk. oss., no fat, no molt

complete skel.  
+ tissues

139. ♂ " " , 11.2 gms., T. - 6 x 4 mm., cloacal protub., sk.  
oss., no fat, no molt

"

140. ♀ " " , 11.0 gms., O. - 4 x 2 mm., lgst ovum - 1 mm.,  
brood patch, sk. oss., no fat, no molt.

skin

141. ♂ *Parus rufescens*, 9.0 gms., T. - 5 x 3 mm., cloacal protub.  
sk. oss., no fat, no molt.





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1980

# Catalogue

1 mi. S +  $\frac{1}{4}$  mi. E Odell Butte, 1580 m., Klamath Co., Oregon  
[T. ~~24~~ S R. 7 E, SW  $\frac{1}{4}$  sec. 26]

11 July  
partial  
tissues

142. ♀ Parus gambeli, 10.0 gms, coll. R. M. Zink, O. - 3x2 mm.,  
brood patch, sk. oss., no molt, no fat

Martin Creek Ranger Station, 2060 m.,  $\frac{1}{2}$  mi. N + 1 mi. E  
Chocolate Mtn., Humboldt Co., Nevada [T. 44 N, R. 39 E, NW  $\frac{1}{4}$   
sec. 24]

15 July 143 ♂ Parus gambeli, 11 gms. T. - 1 mm.; fledgling, coll. R. M. Zink

" 144. sex ? " " 9.5 gms., fledgling, coll. R. M. Zink

16 July

145. ♂ Swainson's Thrush, 28.0 gms., T. - 4x2 mm., no fat,  
no molt

Miranda Pine Mtn., 1220 m., Santa Barbara Co., Calif.  
[T. ~~11~~ N, R. 18 E, SE  $\frac{1}{4}$  sec. 9]

24 July

146 ♂ Parus mornatus, 16.2 gms., T. - 1 mm., little cloacal protub., no fat,  
tail, wing + body molt

$\frac{1}{2}$  mi. N + 1 mi. W Frazier Mtn., 2150 m., Ventura Co., Calif.  
[T. 8 N, R. 20 W, NE  $\frac{1}{4}$  sec. 15]

24 July (cont)

147. ♀ Parus gambeli, 11.7 gms., coll. S. Kaiser, O. -  $1\frac{1}{2}$  x 1 mm., sk.  
unoss., body molt, trace fat





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1980

# Catalogue

- $\frac{1}{2}$  mi. N + 1 mi. W Frasier Mtn., 2150m., Ventura Co., Calif.  
[T. 8 N, R. 20 W, NE  $\frac{1}{4}$  sec. 15]
- 24 July (cont)  
+ issues 148. ♀ Parus gambeli, 12.1gms, sh. oss., O. -  $3 \times 3$  mm., largest ovum  
 $\frac{1}{2}$  mm., light fat, body + wing + tail molt
- " 149. ♂ " " , 12.5gms, T. - 1.5 mm, sh. oss., light fat,  
total molt
- " 150. ♂ " " , 12.5gms., T. - 1.5 mm.; sh. oss., light fat,  
total molt
- " 151. ♀ " " , 11.5gms., O. -  $2\frac{1}{2} \times 1\frac{1}{2}$  mm., sh. oss., trace fat,  
total molt
- " 152. ♀ " " , 11.8gms., O. -  $2\frac{1}{2} \times 1\frac{1}{2}$  mm., sh. oss., ~~trace~~ light  
fat, total molt.
- " 153. ♂ " " , 13.5gms., T. - 2 mm., sh. oss., light fat,  
full molt
- ~~154.~~

- $\frac{1}{2}$  mi. N +  $1\frac{1}{2}$  mi. W Frasier Mtn., 720m., Ventura Co.,  
Calif. [T. 8 N, R. 20 W, SE  $\frac{1}{4}$  sec. 9]
- 25 July  
+ issues 154. ♂ Parus gambeli, 12.2gms., T. -  $1\frac{1}{2}$  mm., sh. oss., trace  
fat, full molt
- " 155. ♀ " " , 10.5gms., O. -  $2 \times 1$  mm.; sh. unoss.,  
trace fat, body molt
- " 156. ♂ " " , 12.0gms., T. -  $1\frac{1}{2}$  mm.; sh. oss., no fat,  
full molt, ~~body molt~~
- " 157. ♀ Parus inornatus, 15.5gms., O. -  $2 \times 1$  mm., sh. unoss.,  
trace fat, body molt.





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# Catalogue

1½ mi. N + 1½ mi. W Frasier Mtn., 1720 m., Ventura Co.,  
Calif. [T. 8 N, R. 20 W, SE ¼ sec. 9]

25 July (cont.)  
te shel  
tissues

158. ♀ Parus inornatus, 17.5 gms., sk. unoss., trace fat, body  
molt, 0.-2x1 mm.

159. ♀ ~~Parus~~ Gambeli 10.5 gms., sk. unoss., 0.-2x1 mm.,  
Trace fat, body molt (coll. S. Kaiser)

160. ~~Parus~~

1½ mi. N + ½ mi. E Burnt Pk., 1550 m., Los Angeles Co.,  
Calif. [T. 7 N, R. 16 W, NW ¼ sec. 15]

26 July  
tissues

160. ♂ Parus gambeli, 12.6 gms., T.-1½ mm., light fat, full  
molt, sk. oss.

" 161. ♂ " " , 12.1 gms., T.-1 mm., sk. unoss., light  
fat, body molt

" 162. ♂ " " , 11.6 gms., T.-1 mm., sk. unoss., light  
fat, body molt

1½ mi. N + ¼ mi. W Burnt Pk., 1480 m., Los Angeles  
Co., Calif. [T. 7 N, R. 16 W, SW ¼ sec. 9]

26 July  
(cont.)

p. shel.  
tissues 163. ♀ Parus gambeli, 10.5 gms., 0.-3x1½ mm., sk. oss., light  
fat, wing + body molt

" 164. ♂ " " , 11.5 gms., T.-1 mm., sk. unoss., light fat,  
body molt.

" 165. ♀ " " , 11.3 gms., 0.-2x1 mm., sk. unoss., light  
fat, wing molt, coll. S. Kaiser.





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# Catalogue

1 1/2 mi. N + 1/4 mi. W Burnt Pk, 1480m., Los Angeles Co.,  
Calif. [T. 7 N, R. 16 W, SW 1/4 sec. 9]

- 26 July (cont)
- shel. issues 166. ♀ Parus gambeli, 11.5 gms., O.-3 x 1 1/2 mm., sk. oss.,  
light fat, full molt, coll. S. Kaiser.
- " 167. ♀ " " " 11.2 gms., O.-3 x 1 1/2 mm., sk. unoss.,  
light fat, body molt, coll. S. Kaiser
- " 168. ♂ " " " 11.3 gms., T.-1 1/2 mm., sk. unoss.,  
light fat, body molt, coll. S. Kaiser
- " 169. ♀ " " " 11.0 gms., O.-2 x 1 mm., sk. unoss., light  
fat, no molt, ~~to~~!
- " 170. ♂ " " " 14.0 gms., T.-1 1/2 mm., sk. oss., light  
fat, full molt, coll. S. Kaiser
- " 171. ♂ " " " 11.5 gms., T.-1 mm., sk. unoss., light  
fat, body molt, coll. S. Kaiser.
- " 172. ♀ " " " 10.9 gms., O.-2 x 1 mm., sk. unoss.,  
light fat, body molt, coll. S. Kaiser
- " 173. ♀ " " " 10.6 gms., O.-2 x 1 mm., sk. unoss.,  
light fat, no molt, coll. S. Kaiser

Messenger Flats Campground, 1750m., 1/2 mi. W Mt.  
Cassion, Los Angeles Co., Calif. [T. 3 N, R. 9 W, NE 1/4 sec. 1]

- 27 July
- shel. issues 174. ♂ Parus gambeli, 12.3 gms., T.-1 1/2 mm., sk. ~~oss.~~, trace  
fat, body molt
- " 175. ♂ " " " 12.8 gms., T.-1 mm., sk. unoss., trace  
fat body molt





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# Catalogue

Lightning Pt. Campground, 1840m., 1 mi. S Mt. Gleason,  
Los Angeles Co., Calif. [T. 3N, R. 12W, NW  $\frac{1}{4}$  sec. 7]

27 July (cont.)  
sk. + tissues

176. ♀ Parus gambeli, 10.5 gms., O.-  $3 \times 1\frac{1}{2}$  mm., sk. unoss.,  
light fat, body molt,

177. ♂ " " , 12.5 gms., T.-  $1\frac{1}{2}$  mm., sk. oss.,  
light fat, full molt ~~12.5 gms.~~

178. ♀ " " , 12.0 gms., O.-  $3 \times 1\frac{1}{2}$  mm., sk. oss.,  
light fat, full molt

179. ♀ " " , 11.6 gms., O.-  $3 \times 1\frac{1}{2}$  mm., sk. oss.,  
light fat, full molt.

Messenger Flat Campground, 1750m.,  $\frac{1}{2}$  mi. W Mt.  
Gleason, Los Angeles Co., Calif. [T. 3N, R. 9W, NE  $\frac{1}{4}$  sec.]

28 July

180. ♂ Parus gambeli, 12.1 gms., T.- 1 mm., sk. unoss., light  
fat, no molt

$1\frac{1}{4}$  mi. N +  $\frac{1}{4}$  mi. E Mt. Baden-Powell, 2070m., Los  
Angeles Co., Calif. [T. 3N, R. 8W, NW  $\frac{1}{4}$  sec. 6]

28 July

181. ♂ Parus gambeli, 12.1 gms., T.-  $1\frac{1}{2}$  mm., sk. unoss., light  
fat, body molt

182. ♂ " " , 13.2 gms., T.-  $1\frac{1}{2}$  mm., sk. oss., light  
fat, full molt

183. ♂ " " , 12.8 gms., T.-  $1\frac{1}{2}$  mm., sk. oss., light  
fat, body molt





D. A. Good  
1980

# Catalogue

1/4 mi. N + 1/4 mi. E Mt Baden-Powell, 2070 m., Los Angeles Co., Calif. [T. 3 N, R. 8 W, NW 1/4 sec. 6]

28 July (cont)  
shel. issues

184. ♀ Parus gambeli, 11.0 gms., sk. unoss., light fat, body molt, O.-2x1 mm.
- " 185. ♂ " " , 12.4 gms., T.-1 mm., sk. unoss., light fat, body molt
- " 186. ♀ " " , 10.3 gms., O.-2x1 mm., sk. unoss., light fat, no molt
- " 187. ♂ " " , 12.0 gms., T.-1 mm., sk. unoss., light fat, body molt, coll. S. Kaiser
- " 188. ♀ " " , 11.2 gms., O.-3x1 1/2 mm., sk. oss., light fat, full molt
- " 189. ♀ " " , 11.8 gms., O.-?; sk. oss., light fat, full molt
190. ♂ " " , 13.0 gms., T.-1 mm., sk. unoss., light fat, body molt, coll. S. Kaiser
191. ♂ " " , 12.2 gms., T.-1 mm., sk. oss., light fat, full molt, coll. S. Kaiser
192. ♂ " " , 12.0 gms., T.-1 mm., sk. unoss., light fat, body molt, coll. S. Kaiser
193. ♀ " " , 10.6 gms., O.-2x1 mm., sk. unoss., light fat, body molt, coll. S. Kaiser
194. ♀ " " , 11.2 gms., O.-2x1 mm., sk. unoss., light fat, body molt





DA Good  
1980

# Catalogue

2 1/4 mi. S + 1/2 mi. W Ingham Pk., 2000 m., San Bernardino Co., Calif. [T. 2 N, R. 2 W]

- 29 July  
skel. tissues
195. ♂ Parus gambeli, 9.6 gms, T.-1 mm., sk. uncross., light fat, full molt, bill w/ yellow flanges
- " 196. ♂ " " " , 12.8 gms., T.-1 1/2 mm., sk. uncross., light fat, no molt, ~~bill w/ yellow flanges~~
- " 197. ♀ " " " , 11.9 gms., O.-3 x 1 1/2 mm., sk. oss., light fat, body + tail molt
- " 198. ♀ " " " , 10.0 gms., O.-2 x 1 mm., sk. uncross., light fat, body molt
- " 199. ♀ " " " , 10.0 gms., O.-2 x 1 mm., sk. uncross., light fat, no molt, bill w/ yellow flanges.
- " 200. ♂ " " " , 10.8 gms., T.-1 1/2 mm., sk. uncross., light fat, no molt
- " 201. ♂ " " " , 11.2 gms., T.-1 1/2 mm., sk. uncross., light fat, body molt
- " 202. ♂ " " " , 12.0 gms., T.-1 1/2 mm., sk. uncross., trace fat, body molt
- " 203. ♂ " " " , 11.6 gms., T.-1 1/2 mm., sk. uncross., light fat, no molt
- " 204. ♂ " " " , 11.2 gms., T.-1 1/2 mm., sk. uncross., trace fat, body molt
- " 205. ♂ " " " , 11.5 gms., T.-1 1/2 mm., sk. uncross., trace fat, no molt, coll. S. Kaiser
- " 206. ♀ " " " , 10.5 gms., O.-2 x 1 mm., sk. uncross., trace fat, body molt, Coll. S. Kaiser





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1980

# Catalogue

2 1/4 mi. S + 1/2 mi. W Ingham Pk., 2000m., San Bernardino Co., Calif. [T2N, R2W]

- 29 July (cont)  
p. shel. tissues 207. ♂ Parus gambeli, 12.0gms., T-1 1/2 mm., sk. unoss., trace fat, body molt, coll. S. Kaiser

1 1/2 mi. S Black Mtn., 1740m., Pasadena Co., Calif. [T. 4S, R2E.]

- 30 July  
" 208. ♀ Parus gambeli, 11.0gms., O.-2x1mm., sk. unoss., light fat, body molt  
209. ♀ " " , 11.4gms., O.-3x2mm., sk. oss., trace fat, full molt.  
" 210. ♂ " " , ca. 11gms., T.-1mm., sk. unoss., light fat, body molt.  
" 211. ♂ " " , 12.3gms., T.-1mm., sk. unoss., light fat, no molt  
" 212. ♀ " " , 11.9gms., O.-3x1 1/2 mm., sk. unoss., light fat, body molt,

1 1/4 mi. S + 1/2 mi. E Black Mtn., 1820m., Pasadena Co., Calif. [T. 4S, R. 2E]

- 30 July (cont).  
" 213. ♀ Parus gambeli, 11.4gms., O.-2x1mm., sk. oss., trace fat, no molt (except 1 wing feather), feathers new  
" 214. ♀ " " , 11.9gms., O.-2x1mm., sk. unoss., trace fat, no molt





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# Catalogue

1 1/4 mi. S + 1/2 mi. E Black Mtn, 1820m., Pasadena Co.,  
Calif. [T. 4S, R. 2E]

30 July (cont)

- skel. 215. ♀ Parus gambeli, 11.1 gms., sk. unoss, light fat, no  
osses molt, O.-2x1mm.
- " 216. ♂ " " , 13.2 gms., T.-1 1/2 mm., sk. oss,  
light fat, full molt
- " 217. ♂ " " , 12.7 gms., T.-1mm., sk. unoss,  
trace fat, no molt

Fry Creek Campground, 1480m., 1 mi. S + 1/2 mi. W Mt.  
Palomar, San Diego Co., Calif. [T. 9S, R. 1E, SE 1/4 sec. 33]

31 July

- " 218. ♀ Parus gambeli, 11.1 gms., O.-2x1mm., sk. unoss, trace  
fat, body molt
- " 219. ♂ " " , 11.9 gms., T.-1mm., sk. unoss, trace  
fat, body molt.
- " 220. ♂ " " , 11.8 gms., T.-1mm., sk. unoss, trace  
fat, body molt.
- " 221. ♂ " " , 11.6 gms., T.-1mm., sk. unoss, light  
fat, body molt
- " 222. ♂ " " , 12.9 gms., T.-1 1/2 mm., sk. oss, trace  
fat, full molt.
- " 223. ♀ " " , 11.0 gms., O.-2x1mm., sk. unoss,  
trace fat, body molt
- " 224. ♀ " " , 11.5 gms., sk. ~~unoss~~ unoss, trace fat,  
body molt





DA Good

1980

# Catalogue

Fry Creek Campground, 1480m, 1mi. S +  $\frac{1}{2}$  mi. E Mt. Palomar, San Diego Co., Calif. [T. 9S, R. 1E, SE  $\frac{1}{4}$  sec. 33]

31 July (cont.)

225. <sup>o. skel. + tissues</sup> ♂ Parus gambeli, 12.0 gms., T. -  $1\frac{1}{2}$  mm., sk. unoss., trace fat, body molt.
- " 226. ♂ " " , 13.0 gms., T. - 1 mm., sk. unoss., trace fat, body molt
- " 227. " " , 10.3 gms., O. -  $2 \times 1$  mm., sk. unoss., trace fat, no molt.

$4\frac{1}{2}$  mi. S +  $\frac{1}{4}$  mi. E Pine Mtn., 1710m., San Diego Co., Calif [T. 15S, R. 5E, SE  $\frac{1}{4}$  sec. 20]

1 August

- " 228. ♂ Parus gambeli, 13.5 gms., T. -  $1\frac{1}{2}$  mm., sk. oss., light fat, full molt.
- " 229. ♂ " " , 12.2 gms., T. - 1 mm., sk. unoss., trace fat, body molt
- " 230. ♂ " " , 12.2 gms., T. - 1 mm., sk. unoss., trace fat, body molt
- " 231. ♂ " " , 12.6 gms., T. -  $1\frac{1}{2}$  mm., sk. oss., trace fat, full molt
- " 232. ♀ " " , 11.0 gms., O. -  $2 \times 1$  mm., sk. unoss., trace fat, body molt
- " 233. ♂ " " , 11.9 gms., T. - 1 mm., sk. unoss., trace fat, body molt
- " 234. ♀ " " , 11.0 gms., O. -  $2 \times 1$  mm., sk. unoss., trace fat, body molt.

6



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1980

# Catalogue

4½ mi. S + ¼ mi. E Pine Mtn., 1710m., San Diego Co., Calif. [T. 15S, R. 5E, SE¼ sec. 20]

1 August (cont.)

2 obs.  
issues

235. ♀ Parus gambeli, 11.0 gms., O.-2x1mm., sk. unoss,  
trace fat, body molt

236. ♀ " " , 10.9 gms., O.-3x½ mm., sk.  
oss; trace fat, full molt

237. ♀ " " , 10.9 gms., O.-3x½ mm., sk.  
oss; trace fat, full molt

238. ♂ " " , 12.6 gms., T.-½ mm., sk. oss,  
trace fat, full molt

239. ♂ " " , 11.9 gms., T.-1mm., sk. unoss,  
trace fat, body molt

~~240. Uria lomvia~~

24 March

Playa Escondida, Veracruz

241 ~~240~~ ♀ Henicorhina leucosticta, wt.-?, O.-5x3mm., no molt  
no fat

242 ~~241~~ ♀ Icthyophaga rubra, wt.-?, no fat, no molt.

MVE

240.

Uria aalga

Russell Reservation, Lafayette, 775ft., Contra Costa Co., Calif

24 Sept

243. Peromyscus truei, 221-113-24-22 = 26.3, coll. 24 Sept  
1980 by E.J. Heske, nulliparous, uterus 1mm., dia

61.7

43.9



A. Good  
1980

## Catalogue

1.9 mi. W (by road) Sagehen Creek Field Station, 6640 ft., Nevada Co., Calif.

3 October

244. ♂ Eutamias speciosus,  $213 + 71 + 36 + 20 = 61.7$ , T. = 7.5 mm.

Kiln Meadow, 0.9 mi. W (by road) Sagehen Creek Field Station, 6480 m., Nevada Co., Calif.

4 October

245. ♀ Microtus montanus,  $151 + 35 + 21 + 14 = 43.9$ , mod. fat, scars = 2R, 2L, nipples bare, not lactating, vag. closed

0.6 mi. W (by road) Sagehen Creek Field Station, 6480 ft., Nevada Co., Calif.

246. Peromyscus maniculatus,  $159 + 70 + 20 + 17 = 20.4$ , vag. closed, 5 embryos - 5 mm long. - right side

1.3 mi. N + 0.7 mi. E Chilcot, 5200 ft., Plumas Co., Calif.

5 October

247. Dipodomys ordii,  $274 + 164 + 43 + 15 = 60.8$ ,

248. ♂ Peromyscus maniculatus,  $167 + <sup>75</sup>~~90~~ + 20 + 18 = 20.3$ , scrotal,

249. ♀ Perognathus parvus,  $<sup>157</sup>~~274~~ + 90 + 21 + 8 = 16.4$ , vag. open, multiparous, ~~♀~~ - > 1 mm.





D. A. Good  
1980

# Catalogue

Life Sciences Building, U.C.B., Berkeley, Calif., colony

16 Oct.

originally from Laoi. Prov., Thailand

250. ♂ Mus cookii,  $173 - 74 - 19 - 16 = 27.7$ , T. - 11.5 mm.

251 ♂ "  $157 - 73 - 19 - 15 = 22.7$ , T. - 10.0 ~~mm~~

D. A. Good  
1981

4.8 mi. (by road) NW Yorkville on Rte 128, Mendocino Co., Calif

24 Jan. 1981

252. ♀ Certhionotus multicaudatus, 18.5 gms (after 12 days captivity with no food). Karyotyped 5 Feb.

Potter Valley Rd,  $\frac{1}{2}$  mi (by road) N jct. Hwy 20, Mendocino Co., Calif

25 Jan.

253. ♂ Certhionotus multicaudatus, 4.2 gms (after 12 days captivity w/out food). Karyotyped 5 Feb.





D.A. Good  
1981

## Catalogue

0.6 mi. SE Yorkville on Rte. 128, Mendocino Co., Calif.

24 January

254. ♂ Gerrhonotus multicarinatus, 5.0 gms. (after 15 days without food). Karyotyped 9 Feb. Tissues taken

4.8 mi. NW Yorkville on Rte 128, Mendocino Co., Calif.

24 January

255. ♂ Gerrhonotus multicarinatus, 4.8 gms. (after 15 days without food). Karyotyped 9 Feb. Tissues taken

Mouth Waddell Cr., Santa Cruz Co., Calif. [T. 10S, R. 4W, NE ¼  
sec. 3]

21 February

256. ♀ Gerrhonotus coeruleus, 17.6 gms. (day after collection)  
Karyotyped 22 Feb. Tissues taken.

257. ♂ " " , 15.3 gms. (day after collection)  
Karyotyped 22 Feb. Tissues taken.

258. ♂ " " , 22.8 gms. (day after collection)  
tissues 17 July (24 gms on that date)

259. " " , 3.0 gms. (day after collection)  
Karyotyped 22 Feb. Tissues taken.





D.A. Good

1981

# Catalogue

4.8 mi. NW Yorkville on Rte 128, Mendocino Co., Calif.

24 January

260. ♂ Gerrhonotus multicarinatus, 14.5 gms. (after 29 days without food) Karyotyped 22 Feb. Tissues taken.

0.5 mi. (by road) S Alderpoint, Humboldt Co., Calif.

25 January

261. ♀ Gerrhonotus multicarinatus, 7.0 gms. (after 29 days without food) Karyotyped 22 Feb. Tissues taken.

Gerrhonotus from John Wright - see him about full localities.

26 May 1980

Noyo Harbor, Ft. Bragg, Mendocino Co., Calif

262. ♂ Gerrhonotus coeruleus, 8 gms. (after ~~20~~<sup>2</sup> days w/out food)  
Coll. T.S. Porter. Killed 27 Feb. 1981. T. 8 x 3 mm

21 February 1981

Camp Cactus, Santa Catalina Island, LA Co., Calif

263. ♂ Gerrhonotus multicarinatus 8.5 gms (after 27 days without food)  
Coll. by ? . Killed 27 Feb. 1981 T. - 6 x 2½ mm

Ben Weston Beach, Santa Catalina Island, LA. Co., Calif

264. ♂ Gerrhonotus multicarinatus, 15 gms (after 2 days w/o food)  
coll by ? . Killed 27 Feb. 1981 T. 7 x 3½ mm

269

71

66

265

63

64



DA Good  
1981

# Catalogue

Canyon near USC IMCS Facility, Santa Catalina Is., Los Angeles Co., Calif

20 February 1981

265. ♂ Gerrhonotus multicarinatus, 8.0 gms (2 days without food), no tail. Coll. K. Cheesman; given to me by J. W. Wright, T.  $5 \times 2\frac{1}{2}$  mm

Burner Regional Park, Contra Costa Co., Calif

March 1981 266. Gerrhonotus multicarinatus, 16 gms. (4 days without food), sent to H. Pough, coll. Brad Shaffer.

267. " " 18 gms. (4 days without food), sent to H. Pough, coll. Brad Shaffer

268. ♂ " " 17 gms (5 days w/o food), coll. Brad Shaffer. Tissues taken 28 March. Testes fixed

269. ♂ " " 7.5 gms ( " " ), coll. Brad Shaffer. Tissues taken 28 March, Testes fixed.

270. ♂ " " 5.5 gms ( " " ), coll. Brad Shaffer, Tissues taken 28 March. Testes not developed.

271. ♀ " " 13.5 gms. ( " " ), coll. Brad Shaffer, Tissues taken 28 March.

272. ? " " 3.3 gms. ( " " ) coll. Brad Shaffer, Tissues taken 28 March





D.H. Good  
1981

## Catalogue

### Briones Regional Park, Contra Costa Co., Calif.

23 March

273. ♀? Genhonotus multicaudatus, ca. 1 gm. (5 days without food),  
coll. Brad Shaffer. Tissues taken 28 March

### Fort Tejon, Kern Co., Calif.

25 March

274. ♀ Genhonotus multicaudatus, 10 gms (3 days without food).  
Tissues taken 28 March.

### Squaw Creek, 620 m, 6 mi. S + $\frac{1}{2}$ mi. E Hull Mtn., Lake Co., Calif. [T. 18 N, R. 10 W, S $\frac{1}{4}$ sec. 1]

12 March

275. ♀ Genhonotus multicaudatus, 22 gms (15 days without  
food), tissues taken 28 March. Coll. R. M. Zink

### Phoenix Lake, Marin Co., Calif.

2 April

276. ♀ Genhonotus multicaudatus, 13 gms. ( days without  
food), coll. D. B. Wake. Tissues taken 28 March.

### side S End Tomales Bay, Marin Co., Calif.

- 277 ♂ Genhonotus coeruleus, 13.3 gms ( days ~~after last feeding~~  
without food). Coll. D. B. Wake. Tissues 16 April.





DA Good  
1981

# Catalogue

NE side Atlas Pk., 9 mi by rd on Atlas Pk Rd. from Hwy 121, Napa Co.,

4 April

Calif. Elev. 1850 ft.

278. ♀ Genhonotus multicaudatus, 21.2 gms, Tissues 16 Apr.

279. ♂? " " , 1.8 gms, Tissues 16 Apr.

W. side Lake Berryessa, 9 mi (by rd) N Hwy 128, (Smith Cr.),

4 April

Napa Co., Calif.

280. ♀ Genhonotus multicaudatus, 31.9 gms, Tissues 16 Apr.

281. ♀ " " , 28.2 gms, Tissues 16 Apr.

282. ♂? " " , 5.5 gms, Tissues 16 Apr.

Hwy 121, 5 mi. S Hwy 128 (ca. 1/2 mi N intersection w/ Wooden Valley Rd.),

4 April

Napa Co., Calif.

283. ♂ Genhonotus multicaudatus, 21.2 gms, Tissues 16 Apr.

284. ♂ " " , 34.3 gms, Tissues 16 Apr.

Whittier Narrows, Los Angeles Co., Calif.

March  
22 April

285. ♂ Genhonotus multicaudatus, 18.1 gms. Tissues 16 Apr. Sent by J. Wright.

Jct. Beverly Blvd + Turnbull Cyn. Rd, Puente Hills, Los Angeles Co., Calif

28 March

286. ♂ Genhonotus multicaudatus, 14.6 gms, Tissues 16 April. Sent by J. Wright

287. ♀ " " , 16.1 gms, Tissues 16 Apr. Sent by J. Wright.

13 April

288. ♂? Genhonotus multicaudatus, 6.1 gms, Tissues 16 Apr. Coll. DB Wake.





D.A. Good  
1981

## Catalogue

Vicinity of Cedar Grove. (between Ponderosa + Pierpont Sprs.) on  
Calif #190, Tulare Co., Calif.

24 April

289.

Gerhonotus multicarinatus, 71 gms., coll. D.A. Good, S.D. Busack,  
M.A. Wilson. (Tissues 21 May)

Zemudowski State Beach, Monterey Co., Calif.

25 April

290.

Gerhonotus multicarinatus, 28 gms., Tissues 21 May coll. D.A. Good,  
S.D. Busack, M.A. Wilson

Hastings Natural History Reservation, Monterey Co., Calif.

7-14 April

291.

Gerhonotus multicarinatus, 19 gms. (coll. Joanne Daly) <sup>Tissues 21 May</sup>

292.

" " " " " "

3 May

293.

" " " " " "

~~294.~~

294.

" " " " " "

295.

" " " " " "

Walnut Creek, Contra Costa Co., Calif.

30 April

296.

Gerhonotus multicarinatus, 16 gms., coll. Jeffrey Lane (age 6)  
Tissues 21 May

Mouth Waddell Cr., Santa Cruz Co., Calif.

297. ♂ Gerhonotus coeruleus, 12 gms., coll. S.D. Busack. Tissues 7 June





D.A. Good  
1981

## Catalogue

Zmudowski State Beach, Monterey Co., Calif

298. Gemronotus multicaudatus, 13 gms., Coll. S.D. Busack. Tissues 7 June

Dunlap Camp Rd., 1.3 mi. SW Jct. Hwy 20, Mendocino Co., Calif

30 May

299. Gemronotus coeruleus, 6 gms., Coll. J. Stewart, tissues 7 June

~~Hwy. 1 at Wiedemere Pt., Sonoma Co., Calif.~~

~~1 June~~

~~3~~





D.A. Good  
1980

# Catalogue

Cerro Mozotal, 10.8 mi by road NW Motozintla de Mendoza, 2450m,  
Chiapas, Mexico

13 December 300. Salamander sp. (*Bolitoglossa*)

301. Hylid sp.

15 December 302. Salamander sp.

El Pozo de Petrolero

7 mi. by road N Berriozábal, 950m, Chiapas, Mexico

17 December 303. *Bolitoglossa* sp. (*occidentalis*?)

304. "

18 December 305. "

306. "

307. "

308. "

309. Snake

310. *Bolitoglossa* sp. (*occidentalis*?)

311. "

312. "





D.A. Good  
1980

# Catalogue

El Pozo de Petre, 7 mi by road N. Berriozábal, 950m, Chiapas,  
Mexico

18 December  
(cont)

313. Bolitoglossa sp. (occidentalis?)

314.

4.0 mi by road W San Cristobal las Casas, ca. 2300m, Chiapas,  
Mexico

22 December

315. Sceloporus

5.3 mi. by road S Rayon, ca. <sup>1100</sup> m, Chiapas, Mexico

22 December

316. ♂ Basiliscus

tissues taken 26 Dec

317. ♂ Shrike

tissues taken 26 Dec.

3.9 mi. by road S Rayon, ca. 1000 m, Chiapas, Mexico

23 December

318. Hylid

Playa Escondida, 8.2 mi <sup>by road</sup> ENE <sup>Santiago</sup> ~~Catavilla~~, 25 m, Veracruz,  
Mexico

26 December

319. Basiliscus?

320. Bolitoglossa rufescens

321. Hylid

27 December

322. Anolis?





D. A. Good  
1980

# Catalogue

27 Dec. Playa Escondida, 8.2 mi ENE by road Sontecomapan, <sup>25m,</sup> Veracruz, Mexico

323. Bolitoglossa rufescens.

30 December Motel Buena Vista, <sup>ca 3000 ft.</sup> Cordoba, Veracruz, Mexico

324. Sceloporus

Cerro Pelon <sup>by road</sup> 0.8 mi N summit of Hwy 175, m, Oaxaca, Mexico

3 January 325. Salamander

326. Thornius

327. "

328. "

329. "

330. "

331. "

332. "

4 January 2.9 mi. W (by road) La Cumbre, m, Oaxaca, Mexico

333. Snake (Thamnophis)





D.A. Good  
1981

# Catalogue

2.9 mi. W (by road) La Cumbre, m, Oaxaca, Mexico

4. January 334. - 350. Salamander sp.

351. - 370. Thorius sp.





D.A. Good  
1981

# Catalogue

Wardemere Pt  
Hwy 1 at ~~Wardemere Pt~~, Sonoma Co., Calif.

1 June

371. ♂ Gerrhonotus coeruleus, 13 gms., Coll. J. Stewart, tissues 7 June  
372. ♂ " " , 16 gms., " "  
373. ♂ " " , 16 gms., " "

Manchester State Beach, Mendocino Co., Calif.

28 May

374. ? Gerrhonotus coeruleus, 1.5 gms., coll. J. Stewart, tissues 7 June  
375. ♀ " " , 5 gms., " "

31 May

376. ♂ " " , 9 gms., " "  
377. ♀ " " , 4.5 gms., " "  
378. ♀ " " , 6.5 gms., " "  
379. ♂ " " , 4 gms., " "

6 June

380. ♂ " " , 6.5 gms., coll. J. Stewart + D.A. Good, tissues 9 June  
381. ♂ " " , 9 gms., " "  
382. ♂ " " , 5 gms., " "  
383. ♂ " " , 6 gms., " "  
384. ♂ " " , 11.5 gms., " "  
385. ♂ " " , 3 gms., " "  
386. ♀ " " , 6.5 gms., " "  
387. ♂ " " , 12.5 gms., " "  
388. ♂? " " , 2 gms., " "  
389. ♂ " " , 4.5 gms., Tissues 19 June  
390. ♀ " " , 2 gms., " "





D.A. Good  
1981

# Catalogue

## Manchester State Beach, Mendocino Co., Calif.

6 June

- |      |    |                              |          |                              |                 |
|------|----|------------------------------|----------|------------------------------|-----------------|
| 391. | ♀? | <u>Gerrhonotus coeruleus</u> | 2.5gms., | coll. J. Stewart + D.A. Good | Tissues 19 June |
| 392. | ?  | "                            | 2.5gms., | "                            | "               |
| 393. | ♀  | "                            | 2.5gms., | "                            | "               |
| 394. | ?  | "                            | 1.5gms., | "                            | "               |

## Near mouth of Salinas River, Monterey Co., Calif.

9 June

- |      |   |                              |           |                  |                |
|------|---|------------------------------|-----------|------------------|----------------|
| 395. | ♂ | <u>Gerrhonotus coeruleus</u> | 14.5gms., | Coll. J. Stewart | Tissue 19 June |
| 396. | ♂ | "                            | 11.5gms., | "                | "              |
| 397. | ♂ | "                            | 11.5gms., | "                | "              |
| 398. | ♂ | "                            | 11.5gms., | "                | "              |
| 399. | ♂ | "                            | 10 gms.,  | "                | "              |

Benton Co.,

## OREGON: Marys Peak, 1.2 mi. (by rd.) WNW jct. Hwy 34

23 June

- |      |    |                              |        |                           |   |
|------|----|------------------------------|--------|---------------------------|---|
| 400. | ♀? | <u>Gerrhonotus coeruleus</u> | wt = ? | coll. T. Papenfuss et al. | " |
| 401. | ♂  | "                            | "      | "                         | " |
| 402. | ♂  | "                            | "      | "                         | " |
| 403. | ♂  | "                            | "      | "                         | " |

BENTON CO.

## OREGON: Marys Peak, 1.5 mi. up Marys Peak Rd. from Hwy 134

24 June

- |      |   |                              |        |                                       |   |
|------|---|------------------------------|--------|---------------------------------------|---|
| 404. | ♀ | <u>Gerrhonotus coeruleus</u> | wt = ? | coll. D.A. Good, T. Wake, P. Balfour. | " |
| 405. |   | "                            | "      | "                                     | " |





Catalogue

BENTON CO.  
OREGON: Marys Peak, 1.5 mi. up Marys Peak Rd from Hwy 134

406. ? Genhonotus coeruleus, wt = ? , coll. D. B. Wake et al.

408. ♂ " 0°C overnight " "

OREGON: BENTON CO: 4 mi. SW Philomath on Hwy 134

409. ♂ Genhronotus multicaudatus, wt = ?, coll: D. B. Wake et al

BRITISH COLUMBIA: Chemainus River estuary

410. ♂ Gerrhonotus coeruleus, wt = ?, coll. R. Hunter (through P. Gregory)

BRITISH COLUMBIA: <sup>Highlands near Victoria,</sup> Mann's Rel. hydroline

411. ♀ Gerrhonotus coeruleus, wt = ?, coll. P. Gregory  
 ♂ " " " " " "

16 June

413.	♂	"	"	"	coll. P. Gregory + M. Macarntrey
414.	♀	"	"	"	"

414. ♀ ordinal eggs. " " " " " " "





D.A. Good

1981

## Catalogue

- CALIFORNIA: Tulare Co., 1.4 mi (by rd.) on Hwy 190 N just Hwy 190 +  
 11 June California Hot Springs - Johnsondale Rd. (26 mi airline ESE Porterville)  
 415. ♀ Gerrhonotus coeruleus, 20.5 gms., tissues ca. 8 July, coll. D.A. Good, S.D. Busack + J. Marten  
 416. ♂ " " , 18.0 gms., tissues ca 8 July, "

- CALIFORNIA: Tulare Co., 0.6 mi (by rd) on Hwy 190 N just Hwy 190 +  
 11 June California Hot Springs - Johnsondale Rd. (26 mi airline ESE Porterville)  
 417. ♂ Gerrhonotus coeruleus, 7.5 gms., tissues 27 June, coll. D.A. Good, S.D. Busack, J. Marten

- CALIFORNIA: Tulare Co., Horse Meadow, ca. 0.5 mi W + 0.5 mi N  
 11-12 June just Hwy 190 + California Hot Springs ~~Hot Springs~~ - Johnsondale Rd (26 mi airline ESE Porterville)  
 418. ♀ Gerrhonotus coeruleus, 18 gms., tissues 27 June, coll. D.A. Good, S.D. Busack, J. Marten  
 419. ♂ " " , 15 gms., " "  
 420. ♂ " " , 7 gms., " "  
 421. ♂ " " , 12 gms., " "  
 422. ♂ " " , 8 gms., " "  
 423. ♂ " " , 4.5 gms., " "  
 424. ♀ " " , 6 gms., " "  
 425. ? " " , 1 gm., " "  
 426. ? " " , 1 gm., " "  
 427. ~~male~~ ♀ " " , 13.0 gms, tissues ca. 8 July " "  
 428. ♀ " " , 23.7 gms., " "

- CALIFORNIA: Los Angeles Co., ~~Porterville~~ 4.0 mi. W (by rd) on  
 13 June Hwy N 24 Leona Valley  
 429. ♀ Gerrhonotus multicarinatus, 36 gms., tissues 27 June, coll. D.A. Good, S.D. Busack  
 430. ♂ " " , 52 gms., " "  
 431. ♀ " " , 20 gms., " "  
 gravid





D.A. Good  
1981

# Catalogue

13 June  
432. CALIFORNIA: Los Angeles Co., ~~near Valley~~ 4.0 mi. W (by rd) on  
Hwy N2 of Leona Valley

May ~~433.~~  
433. CALIFORNIA: Calaveras Co., 8.0 mi. SW (by Paloma Rd.) of Mokelumne  
Hill.  
♂ Gerrhonotus mitchellianus, 19.5 gms., Tissues 30 June, coll.  
T. Papenfuss.

14 June  
434. Dry Lagoon State Park, Humboldt Co., Calif.  
♀ Gerrhonotus coeruleus, 2.5 gms., Tissues 30 June, coll. J. Stewart  
435. " " , 5.0 gms., " "

14 June  
436. CALIFORNIA: HUMBOLDT CO: Mouth Fern Canyon, Prairie  
Creek Redwoods State Park,  
♂ Gerrhonotus coeruleus, 8.5 gms., tissues 30 June, coll. J. Stewart  
437. ? " " , 1.5 gms., " "  
438. ♂ " " , 11.0 gms., " "

14 June  
439. Crescent Beach, S of Crescent City, Del Norte Co., Calif.  
? Gerrhonotus coeruleus, 4.0 gms., tissues 30 June, coll. J. Stewart





D.A. Good  
1981

# Catalogue

CALIFORNIA: HUMBOLDT CO.: 1 mi. W Ettersburg - Honeyden Rd +  
0.8 mi NW Jct. Ettersburg - Honeyden Rd + Shelter Cove Rd

16 June

440. ? Geukonotus multicarinatus, 2.0 gms., tissues 30 June, coll. J. Stewart  
441. ♂ " " , 6.5 gms., " "  
442. ♀ " " , 8.0 gms., " "  
443. ♂ " " , 7.5 gms., " "

CALIFORNIA: SHASTA CO.: 7 mi. W (by rd.) Burney on Hwy 299.

11 July

444. ♂ Geukonotus coeruleus, 28 gms., tissues 17 July, coll. D.A. Good, S.D. Busack, J. Vianaw  
445. ♂ " " , 4 gms., " "  
446. ♀ " " , 3.5 gms., " "  
447. ♂ " " , 2.5 gms., " "  
448. " " , " , " "

CALIFORNIA: SHASTA CO.: 7½ mi. W (by rd.) Burney on Hwy 299.

11 July

449. ♀ Geukonotus coeruleus, 2.5 gms., tissues 17 July, coll. D.A. Good, S.D. Busack, J. Vianaw  
450. ♂ " " , 2.0 gms., " "  
451. ♂ " " , 2.0 gms., " "  
452. ♀? " " , 1.0 gm., " "  
453. ♀ " " , 12.9 gms, Tissues 7 June 1982 " "  
454. " " , " , " "





D.A. Good  
1981

## Catalogue

CALIFORNIA: TRINITY CO.: 1 mi E (on Hwy 36) jct. Hwy 36 + Hwy 3. (ca.  
13 mi. S Hayfork)

12 July

455. ♂? Genhonotus coeruleus, 2 gms, tissues 17 July (dead unknown period  
before tissues taken), coll. D.A. Good, S.D. Busack + J. Vianen  
456. ♂ " " , 25 gms., tissues 17 July, coll. D.A. Good, S.D. Busack,  
J. Vianen.  
457. ♀ pregnant " " , 28 gms., " "  
458. ♀ " " , 19.9 gms. tissues 7 June 1982 "  
459. " " , " "

CALIFORNIA: LOS ANGELES CO.: Santa Catalina Island

20-21 Feb.

460. ♂ Genhonotus multicaudatus, 18.0 gms, tissues 17 July. coll.?

~~CALIFORNIA: MARIN CO.~~

~~461. Genhonotus multicaudatus, 42 gms., tissues 17 July, coll. D.A. Good,  
D. Varda,  
D. Busack~~

MEXICO: OAXACA: Cerro San Felipe, 2890 m, 9.3 km (by rd)  
W La Cumbre.

462. ♀ Barisia viridiflora, 2 gms; tissues 17 July, coll. T. Papenfuss.

CALIFORNIA: INYO CO., Grapevine Cañon, 4850 ft. elev., ca 3 mi.  
down road into canyon

463. ♂ Genhonotus paramontinus, tissues 15 Sept. Coll. D.A. Good,  
J.A. Martin, S.D. Busack hantystyped. Blood taken





DA. Good  
1981.

## Catalogue

CALIFORNIA: GLENN CO.: Heifer Camp Creek,  $2\frac{1}{2}$  mi E Burrows Gap, 1120 ft.

13 August 464. ♂ Geophonotus multicastratus, 53.7 gms., tissues 15 Sept.  
coll. M. Jennings blood taken, banded

CALIFORNIA: CALAVERAS CO.: E side Hunter Res., ca.  $\frac{1}{2}$  mi (air) SE Avery, ca. 3450 ft [T. 4N, R. 15E, NE  $\frac{1}{4}$  sec. 18]

5 October 465. ♂ Geophonotus multicastratus, ca 14 gms., tissues 13 Oct.  
coll. DB Wake.





D.A. Good  
1982

## Catalogue

CALIFORNIA: MONTEREY CO.: Sand dunes 2.2 mi. S (along coast)

Moss Landing (1.9 mi. airline W. Castroville).

31 January

466. ♂ Anniella pulchra 3.1 gms. Tissues + karyotype 9 Feb.

Coll. D.A. Good + K. Propper.

467. ♀ " 2.3 gms.

468. ♂ " 3.4 gms. Tissues 18 Feb.

469. ♀ " 3.0 gms. "

470. ♂ " 3.0 gms. "

471. " "

472. " "

### BRAZIL:

473. ♀ Ophiodes striatus, Tissues (after specimen died in captivity several hours earlier). Coll. Ludwig Trutnau

474. ♂ Geophonotus coeruleus 27.1 gms, Tissues + blood 10 May. coll. H.W. Greene + Herpetology Class

475. ♂ Geophonotus coeruleus, 15.0 gms., Tissues + blood 10 May coll. H.W. Greene + herp. class.

476. Geophonotus coeruleus, 23.6 gms., Tissues 10 May coll. H.W. Greene + herp. class





D.A. Good  
1982

## Catalogue

Locality unknown

Date? 477 ♀ Ophisaurus apodus, <sup>ca 210</sup>gms, Tissues + blood 7 June.

CALIFORNIA: HUMBOLDT CO.: Vicinity Alderpoint.

24-25 Jan.  
1981 478. Gerrhonotus multicarinatus, 23.6gms., tissues 7 June.

CALIFORNIA: MARIN CO.: Drake's Estero

6 June 479. ♀P. Gerrhonotus coeruleus, 11.2gms., Tissues 7 June, <sup>coll. DAG</sup> + JAMartin  
480. " " 1.9gms., " "  
481. ♀P. " " 10.6gms., " "  
482. " " 2.2gms., " "  
483. " " 2.5gms., " "

CALIFORNIA: MONTEREY: Big Sur.

Spring 1982 484. ♀P Gerrhonotus multicarinatus, 28.9gms., tissues 11 June, <sup>coll.</sup>  
485. ♀P. " 20.0gms., " "  
486. ♂ " 39.8gms., " "  
487. ♂ " 31.8gms., " "  
488. ♂ " 30.4gms., " "  
489. ♂ " 16.5gms., " "  
490. ♀ " 17.0gms., " "  
491. ♂ " 36.2gms., " "  
492. ♂ " 35.1gms., " "





DA. Good  
1982

## Catalogue

CALIFORNIA: SONOMA CO.: Stewart's Point - Shaggs Spr. Rd., 25.7 mi.

(by rd.) E Stewart's Pt.

493. ♂ Genhonotus multicarinatus, 21.3 gms., tissues 10 May, <sup>coll. H. Greene</sup> + deep class  
494. ♂ " " " 29.6 gms., " "

(7)

495. ♀ Genhonotus multicarinatus, 26.6 gms., tissues 10 May, <sup>coll. H. Greene</sup> + deep class.

CALIFORNIA: INYO CO.: 3.3 mi. E Darwin Rd. on Hwy 190.

29 May

496. ♀ Crotalus cerastes, 81 gms., 47 cm.

CALIFORNIA: INYO CO.: 6.2 mi E Darwin Rd. on Hwy 190

29 May

497. Trimorphodon biscutus

CALIFORNIA: SAN BERNARDINO CO.: Pisgah Crater

30 May

- <sup>498</sup>  
~~498~~. ♀ Crotalus cerastes, 80 gms., 54 cm.  
<sup>499</sup>  
~~499~~. ♀ Crotalus mitchelli, 111 gms., 59.5 cm.

31 May

- <sup>500</sup>  
~~500~~. ♀ Masticophis flagellum, 250.5 gms., 120 cm

CALIFORNIA: SAN BERNARDINO CO.: Intersection Pisgah Rd +  
Hwy 40 (E of Pisgah Crater)

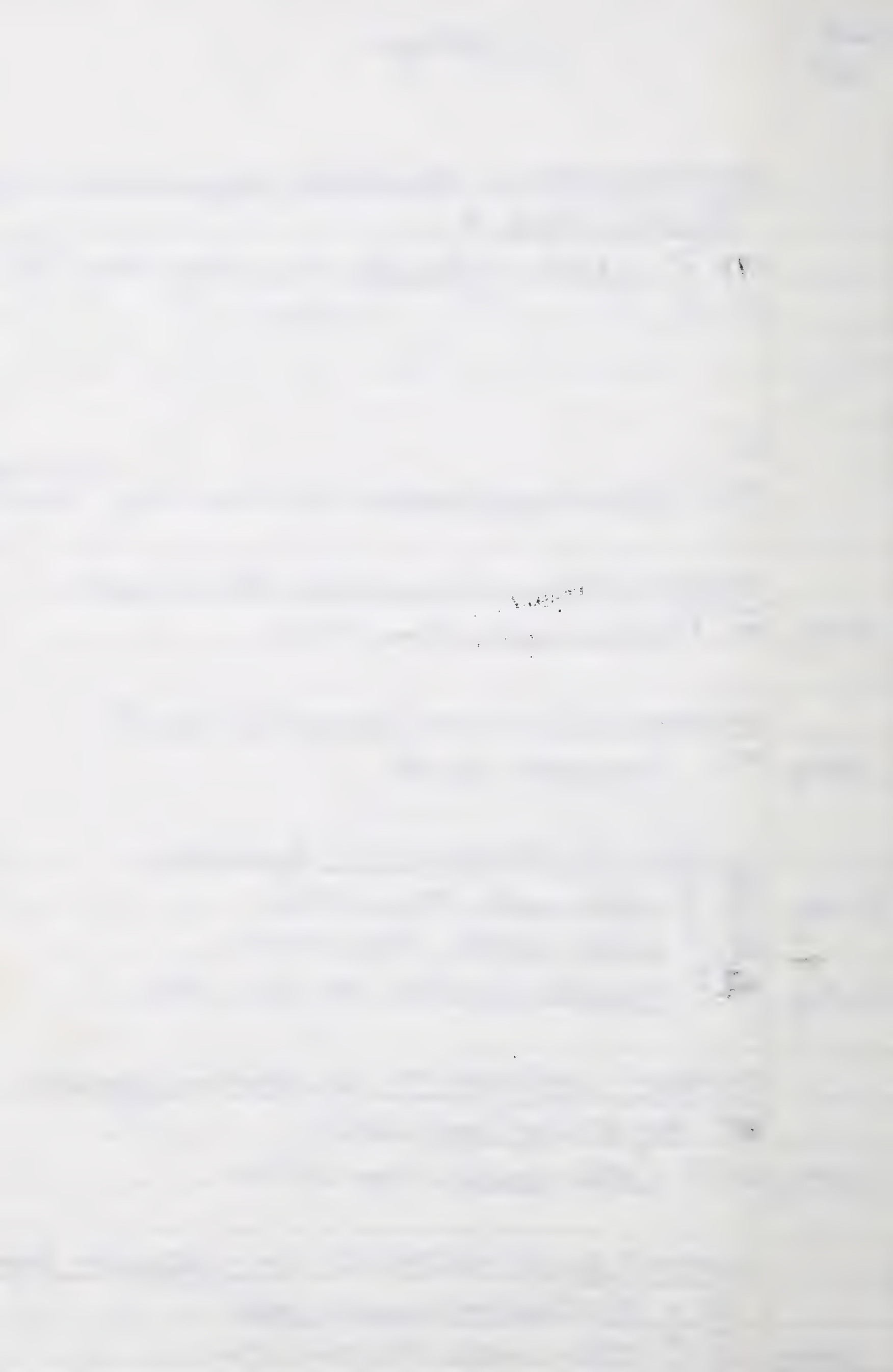
30 May

- 501 ♀ Crotalus cerastes, 14.2 gms., 25.5 cm.

CALIFORNIA: SAN BERNARDINO CO.: 1.2 mi W intersection Pisgah  
Rd. + A.T. + S.F. Railroad (vicinity Pisgah)

30 May

502. ♂ Crotalus cerastes, 107.5 gms., 54 cm.





DAGood  
1982

# Catalogue

MONTANA: RAVALLI CO.: Camp Creek Campground, 1600 m,  
5 mi S Sula Ranger Station on US 93.

22 June 503. Rana pretiosa, coll. D.A. Good, T. Boleyack, M. Winberg

MONTANA: RAVALLI CO.: Bear Creek, 1280 m, 2 1/2 mi S + 5 mi W  
Victor, [T. 7 N, R. 21 W, NW 1/4 sec. 8]

23 June 504. Thamnophis elegans (2)

505. ♂ Thamnophis sirtalis, coll. M. Winberg

MONTANA: MISSOULA CO.: Howard Creek Meadow, 1350 m, 3 mi. (straight line)  
N Lolo Hot Springs [T. 12 N, R. 23 W, SW 1/4 sec. 20]

24 June 506. ♀ Thamnophis ~~sirtalis~~ elegans, coll. M. Winberg

507. ♀ " " " "

IDAHO: CLEARWATER CO.: W. bank of N. Fork Clearwater River,  
1.9 mi upstream of confluence of Quartz Creek with Clearwater  
River, 600 m [T. 40 N, R. 8 E, NW 1/4 sec. 29]

25 June 508. ♂ Thamnophis ~~sirtalis~~ elegans

IDAHO: LATAH CO.: Mannering Creek, 830 m, 1/2 mi N + 1 mi W Flynn  
Butte (ca. 7 mi N by rd Harward) [T. 42 N, R. 3 W, NE 1/4 sec. 11]

26 June 509. Rana pretiosa

510. " "

511. " " , coll. M. Winberg

512. " " , " "





D.A. Good  
1982

# Catalogue

IDAHO: LATAH CO.: Macomber Meadows, 830m., 2  $\frac{1}{4}$  mi W +  
 $\frac{1}{2}$  mi. S Flynn Butte [T. 42 N, R. 3 W, SW  $\frac{1}{4}$  sec. 15]

26 June

513. Rana pretiosa, coll. M. Winberg

514. ♂ Thamnophis elegans

IDAHO: LATAH CO.: Smith Meadows, 910m, 2 mi E + 3 mi N Deary,  
[T. 40 N, R. 2 W, NE  $\frac{1}{4}$  sec. 1]

26 June

515. Rana pretiosa

516. Bufo boreas, coll. M. Winberg

IDAHO: KOOTENAI CO.: Beauty Creek, 700m, at inflow into  
Coeur d'Alene Lake [T. 49 N, R. 3 W, NW  $\frac{1}{4}$  sec. 12]

27 June

517. ♀ Thamnophis elegans.

IDAHO: KOOTENAI CO.: Beauty Creek, 710m, at inflow of Cambo  
Creek [T. 49 N, R. 3 W, SE  $\frac{1}{4}$  sec. 12]

27 June

518. Aescaphus triser

29 June

519. " , tadpole, coll. M. Winberg + T. Boleyjacks.

520.

"

"

"

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521.

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IDAHO: KOOTENAI CO.: Hayden Lake, S shore, 780m [T. 51 N, R. 3 W,  
SW  $\frac{1}{4}$  sec. 21]

29 June.

526. ♀ Thamnophis elegans





D.A. Good  
1982

# Catalogue

IDAHO: KOOTENAI CO.: 4 mi W +  $\frac{1}{2}$  mi S Spade's Mtn, 800m [T. 51 N,  
R. 3 W, SW  $\frac{1}{4}$  sec. 1]

29 June

527. ♂ Thamnophis elegans

528. ♂ "

529. ♂ "

530. ♂ "

531. ♀ "

532. ♂ "

533. ♂ "

534. ♀ "

coll. T. Boleyjick

IDAHO: BONNER CO.: ca. 1 mi E Clark Fork, 700m, [T. 55 N, R. 2 E, NE  $\frac{1}{4}$   
sec. 2]

30 June

535. ♀ Thamnophis elegans

IDAHO: BONNER CO.: University of Idaho Wildlife + Range Science  
Field Station, 720m, ca 1  $\frac{1}{2}$  mi. E Clark Fork [T. 55 N, R. 2 E, NW  $\frac{1}{4}$  sec.  
1]

30 June

536. ♂ Thamnophis elegans

537. ♀ "

WASHINGTON: OKANOGAN CO.: Beaver Lake, 860m, 9 mi N +  
2 mi E Wauconda [T. 39 N, R. 30 E, NE  $\frac{1}{4}$  sec. 25]

1 July

538. Thamnophis elegans

539. ♂ " coll. M. Winberg

540. ♀ " coll. M. Winberg





D.H. Good  
1982

## Catalogue

### CANADA: BRITISH COLUMBIA: Copper Island, Shuswap Lake.

6 July

541. ♀ Genhonotus coeruleus, 10.3 gms., tissues 25 July  
542. ♀ " " , 11.6 gms., " "  
543. ? " " , 1.1 gms., " "  
544. ♀ " " , 9.7 gms., " "  
545. ♀ " " , 8.5 gms., " "  
546. ♂ " " , 5.4 gms., " "

### CANADA: BRITISH COLUMBIA: Lois Lake Dam, 130m, 1.9 mi.

#### N of Lois River Bridge (Hwy 101)

9 July

547. ♂ Genhonotus coeruleus, 9.6 gms., tissues 25 July  
548. ♀ " " , 9.9 gms., coll. M. Winberg, "  
549. ♀ " " , 12.4 gms., coll. M. Winberg, "  
550. ♀ Thamnophis  
551. ♂ " coll. M. Winberg,

10 July

552. ♀ Genhonotus coeruleus, 7.8 gms., tissues 25 July  
553. ♂ " " , 6.0 gms., " "  
554. ♀ " " , 10.9 gms., " "  
555. ♀ Thamnophis  
556. ♂ " "  
557. ♀ " coll. M. Winberg  
558. ♀ Genhonotus coeruleus, 11.3 gms., tissues 25 July  
559. Thamnophis, coll. T. Bolejack,

### CANADA: BRITISH COLUMBIA: Vancouver Is., Oyster River, ca. 1/4 mi above mouth.

560. ♂ Thamnophis





# Catalogue

WASHINGTON: KITSAP CO.: Fort Ward, Bainbridge Island

13 July

561. Thamnophis

WASHINGTON: KING CO.: South end of Hwy. 169 bridge over  
Green River Gorge

14 July

562. Thamnophis

coll. M. Winberg

WASHINGTON: PIERCE CO.: North side of Chamber's Creek, between  
Chamber's Creek Lane and Bridgeport Way along Chamber's Creek  
Rd, Tacoma.

15-16 July

563. Thamnophis sirtalis

564. ♂

"

565. ♂

"

566. ♀

"

567. ♀

"

568. ♀

"

569. ♀

"

570. ♀

"

WASHINGTON: COWLITZ CO.: Unused portion of Hwy. 4, just ~~E~~ W  
of confluence Mill Creek and Columbia River, 60 m.

16 July

571. ♀ Genhonotus coeruleus, 9.2 gms., tissues 25 July

572. ♀

"

"

, 12.5 gms.

"

"

573. ♂

"

"

, 8.2 gms.

"

"

574. ♂

"

"

, 14.2 gms.

"

"

575. ♀

"

"

, 7.2 gms.

"

"

576. ♀

"

"

, 13.4 gms.

"

"

577. ♀

"

"

, 6.9 gms.

"

"





D.A. Good  
1982

## Catalogue

WASHINGTON: COWLITZ CO.: Unused portion of Hwy 4, just W.  
of confluence Mill Creek and Columbia River, 60 m.

16 July

578. ♂ Gerrhonotus coeruleus, 11.7 gms., tissues 25 July  
579. ? " " , 2.2 gms., " "  
580. ♀ " " , 12.2 gms., " "  
581. " " , 4.6 gms., " "  
582. " " , coll M. Wenberg, killed by rock when collected  
583. Diadophis punctatus

OREGON: COOS CO.: Pile of driftwood, 0.7 mi S (along Hwy 101)  
Kadora Drive, ca. 4 mi. N North Bend

18 July

584. ♀ Gerrhonotus coeruleus, 14.0 gms., tissues 25 July  
585. ♂ " " , 12.8 gms., "  
586. ♂ " " , 7.9 gms., "  
587. ♀ " " , 7.9 gms., "  
588. ♂ " " , 7.4 gms., "  
589. ♂ " " , 12.6 gms., "

OREGON: JACKSON CO.: Eastern Border of Rogue River National  
Forest along Dead Indian Rd, 1400 m, ca. 20 mi E Ashland

18 July

590. ♀ Gerrhonotus coeruleus, 25.3 gms., tissues 25 July

CALIFORNIA: MODOC CO.: Lily Lake, 2015 m, 8 mi N + 3 mi W Ft.  
Bidwell [T. 47N, R. 15 E, NE ¼ sec. 1]

22 July

591. Bufo boreas  
592. " "  
593. " "  
594. " "





D.A. Good  
1982

# Catalogue

CALIFORNIA: MODOC CO.: Lily Lake, 2015m, 8mi N+3mi W.  
Ft. Bidwell [T. 47N, R. 15E, NE  $\frac{1}{4}$  sec. 1]

22 July 595. *Bufo boreas*  
596 " "  
597 " "  
598 " "  
599. " "

CALIFORNIA: BUTTE CO.: E end Snag Lake, 1710m, 5 mi  
E (straight line) Butte Meadows [T. 26N, R. 5E, NE  $\frac{1}{4}$  sec. 30]

24 July 600. ♂ *Gerrhonotus coeruleus*, 10.6gms., tissues 25 July

601

602

603

604

605

606  
607  
608

Walter Cabin.  
Vice Avery





A. Good  
1982

## Catalogue

3.5 mi N South Point, Santa Rosa Island, Santa Barbara Co.,  
California

10 December

609. ♀ Genhonotus multicaudatus, tissues, lampbrush prep. 17 Jan '83 <sup>coll. G.M. Fellers</sup>  
610. ♀ " " , 11.4 gms., tissues 14 February 1983  
611. ♀ " " , 15.6 gms., " " "

1/4 mi N Johnson's Lee, Santa Rosa Island, Santa Barbara Co., California

11 December

612. ? Genhonotus multicaudatus, 0.8 gms., tissues 14 February 1983 <sup>coll. G.M. Fellers</sup>

1/2 mi W East Point, Santa Rosa Island, Santa Barbara Co., California

11 December

- 613 ♀ Genhonotus multicaudatus, 7.0 gms., tissues 14 Feb. 1983 <sup>coll. G.M. Fellers.</sup>





1983

## Catalogue

Joaquin Miller Regional Park, Alameda Co., California

coll. R. Warner

11 February

614. ♀ Genhonotus coeruleus, 22.7 gms; tissues 14 February

12 February

615. ♂ " " , 6.1 gms. " "

Sand dunes 2.2 mi S (along coast) Moss Landing (1.9 mi airline W  
Custerville), Monterey Co., California

9 April

616. ♀ Anniella nigra tissues 27 April coll. D. A. Good, K. deQuieroz, A. Bauer

617. ? " " " "

618. ♂ " " " "

619. " " " "

9 April

620. ♂ Anniella nigra tissues 27 April coll. D. A. Good, K. deQuieroz + A. Bauer

9 April

621 Anniella nigra tissues 27 April; coll. D. A. Good, K. deQuieroz, A. BauerWeitchpec, Humboldt Co., California

21 April

622 ♀ Genhonotus coeruleus, Tissues 27 April coll. D. B. Wake et al~~16 April~~Manchester State Beach, Mendocino Co., Calif.

16 April

623. ♀ Genhonotus coeruleus tissues 20 June

624. ♂ " " " "

0.8 mi S San Benito Creek Bridge on Hwy 25, San Benito Co., Calif

9 April

625 ♂ Genhonotus multicaudatus, tissues 20 June





D. A. Good  
1983

# Catalogue

16 April 9 mi E Philo, Mendocino Co., Calif  
626. ♂ Coluber constrictor ♀

16 April Manchester State Beach, Mendocino Co., Calif  
627. ♂ Thamnophis sirtalis

9 April Sand dunes 2.2 mi S (along coast) Moss Landing (1.9 mi airline  
W Castroville), Monterey Co., Calif  
628. Anniella nigra tissues, blood 22 ~~June~~ June  
629. " " " "

1301 Yellow-bellied Sapsucker from 1301

1301 multicinctus multicinctus, Santa Clara Co., CA

1301 multicinctus





D.A. Good  
1984

# Catalogue

Robinson Gulch, 1.2 mi. N Gualala R. Bridge on Hwy 1, Mendocino Co., Calif.

- 8 January 633. Dicamptodon ensatus, tissue 8 Jan. coll. C.A. Luke, D.A. Good.  
634. " "  
635. " "  
636. " "  
637. " "

Big Gulch, 1.7 mi N Gualala R. Bridge on Hwy 1, Mendocino Co., Calif.

- 8 January 638. Dicamptodon ensatus, tissue 8 Jan., coll. S.K. Sessions, A. Larson  
639. " "  
640. " "  
641. " "  
642. " "

Glenn Gulch, 3.2 mi N Gualala R. Bridge on Hwy 1, Mendocino Co., Calif.

- 8 January 643. Dicamptodon ensatus, tissue 8 Jan, coll. C.A. Luke, D.A. Good  
644. " , tissue 8 Jan., coll. C.A. Luke, D.A. Good  
645. " "  
646. " "  
647. " "





D.A. Good  
1984

## Catalogue

St. Onres Creek, 3.4 mi N Gualala R. Bridge on Hwy 1, Mendocino  
Co., Calif.

8 January 648. Dicamptodon ensatus, tissue 8 Jan., coll. S.K. Sessions, A. Larson  
649. "  
650. "  
651. "  
652. "

Gitchell Gulch, 4.0 mi N. Gualala R. Bridge on Hwy 1, Mendocino Co.,  
Calif

8 January 653. Dicamptodon ensatus, tissue 8 Jan., coll. C.A. Luke, D.A. Good  
654. "  
655. "  
656. "  
657. "  
658. "

Quinnliven Gulch, 4.5 mi N Gualala R. Bridge on Hwy 1,  
Mendocino Co., Calif

8 January 659. Dicamptodon ensatus, tissue 8 Jan., coll. S.K. Sessions, A. Larson  
660. "  
661. "  
662. "  
663. "  
664. "





D.A. Good  
1984

Catalogue

Fish Rock Gulch, 4.7 mi N on Hwy 1 Gualala R. Bridge, Mendocino  
Co., Calif

- 8 January 665. Dicamptodon ensatus, tissue 8 Jan., coll. C.A. Luke, D.A. Good  
666. "  
667. "  
668. "  
669. "

Ferguson Gulch, 5.1 mi N Gualala R. Bridge on Hwy 1,  
Mendocino Co., Calif

- 8 January 670. Dicamptodon ensatus, tissue 8 Jan., coll. S K Sessions, A. Larson  
671. "  
672. "  
673. "  
674. "

Triplett Gulch, 6.4 mi N Gualala R. Bridge on Hwy 1, Mendocino  
Co., Calif

- 8 January 675. Dicamptodon ensatus, tissue 8 Jan, coll. C.A. Luke, D.A. Good  
676. "  
677. "  
678. "  
679. "





D.A. Good

1984

# Catalogue

Roseman Gulch, 7.5 mi N Gualala R. Bridge on Hwy 1,  
Mendocino Co., Calif

- 8 January 680. Diampetodon ensatus, tissue 8 Jan., coll. S.K. Sessions, D.A. Good  
681. "  
682. "  
683. "  
684. "  
685. "

Signal Port Creek, 7.9 mi N Gualala R. Bridge on Hwy 1,  
Mendocino Co., Calif

- 8 January 686. Diampetodon ensatus, coll. C.A. Luke, D.A. Good, tissue 8 Jan.  
687. "  
688. "  
689. "  
690. "  
691. "  
692. "  
693. "  
694. "  
695. "

Slack Rock Creek, 8.9 mi N Gualala R. Bridge on Hwy 1, Mendocino Co., Calif

- 8 January 696. Diampetodon ensatus, tissue 8 Jan., coll. S.K. Sessions, A. Larson  
697. "  
698. "  
699. "  
700. "





D.A. Good  
1984

## Catalogue

Brushy Basin R-10 East Section 7, 4 Peaks Mtns., Maricopa Co.,

Arizona

701. ♂ Gerrhonotus kingi, coll. 31 October 1983 by R. Bowker.  
Tissues.

Lakeside 5.4 mi SE Show Low off W side of rd. Rte 260,

Navajo Co., Arizona

702. ♀ Gerrhonotus kingi, coll. R. Bowker. Tissues.  
#

→ Morrison Gulch, ca. 9.2 mi N Gualala R. Bridge on Hwy 1,  
Mendocino Co., Calif

11 February 703. Diampetodon ensatus, coll. C. Brown, R. Warner, D. Good

704. " "

705. " "

706. " "

707. " "

Slide Rock Creek, 8.9 mi N. Gualala R. Bridge on Hwy 1,  
Mendocino Co., Calif

11 February 708. Diampetodon ensatus, coll. C. Brown, R. Warner, D. Good.

709.

710.

711.

712.

713.

714.

715.





D.A. Good  
1984

# Catalogue

Slack Rock Creek, 8.9 mi N Gualala R. Bridge on Hwy 1,

Mendocino Co., Calif

11 February 716. Dicamptodon ensatus, coll. C. Brown, R. Warner + D. Good

717. " "

718. " "

719. " "

720. " "

721. " "

722. " "

723. " "

724. " "

725. " "

Signal Port Creek, 7.9 mi N. Gualala R. Bridge on Hwy 1,

Mendocino Co., Calif.

11 February 726. Dicamptodon ensatus, coll. C. Brown, R. Warner, D. Good

727. " "

728. " "

729. " "

730. " "

731. " "

732. " "

733. " "

734. " "

735. " "

736. " "

737. " "





D.A. Good  
1984

# Catalogue

Signal Port Creek, 7.9 mi. N Gualala R. Bridge on Hwy 1,  
Mendocino Co., Calif

11 February 738. Dicamptodon ensatus, coll. C. Brown, R. Warner, D. Good.  
739. " "  
740. " "  
741. " "  
742. " "  
743. " "  
744. " "  
745. " "  
746. " "

Roseman Creek, 7.5 mi. N Gualala R. Bridge, Mendocino Co.,  
Calif

~~11~~ 11 February 747. Dicamptodon ensatus, coll. C. Brown, R. Warner, D. Good  
748. " "  
749. " "  
750. " "  
751. " "  
752. " "  
753. " "  
754. " "  
755. " "  
756. " "  
757. " "  
758. " "  
759. " "





D.A. Good  
1984

## Catalogue

Roseman Creek, 7.5 mi. N Gualala R. Bridge, Mendocino Co.,

Calif

11 February

760. Dicamptodon ensatus, coll. C. Brown, R. Warner, D. Good

761. " "

762. " "

763. " "

764. " "

765. " "

766. " "

Triplett Gulch, 6.4 mi N Gualala R. Bridge, Mendocino Co.,

Calif

11 February

767. Dicamptodon ensatus, coll. C. Brown, R. Warner, D. Good

768. " "

769. " "

770. " "

771. " "

772. " "

773. " "

774. " "

775. " "

776. " "

777. " "

778. " "

779. " "

780. " "

781. " "

782. " "





D. A. Good  
1984

## Catalogue

Triplett Gulch, 6.4 mi. N Gualala R. Bridge, Mendocino Co.,

Calif

11 February

783. Dicamptodon ensatus, coll. C. Brown, R. Warner, D. Good  
784. " "  
785. " "  
786. " "

Ferguson Gulch, 5.1 mi N Gualala R. Bridge on Hwy 1,  
Mendocino Co., Calif.

11 February

787. Dicamptodon ensatus, coll. C. Brown, R. Warner, D. Good  
788. " "  
789. " "  
790. " "  
791. " "  
792. " "  
793. " "  
794. " "  
795. " "  
796. " "  
797. " "  
798. " "  
799. " "  
800. " "  
801. " "  
802. " "  
803. " "  
804. " "  
805. " "





D. A. Good  
1984

# Catalogue

Ferguson Gulch, 5.1 mi N Gualala R. Bridge on Hwy 1, Mendocino Co., Calif.

11 February 806. Dicamptodon ensatus, Coll. C. Brown, R. Warner, D. Good  
807. " "  
808. " "

←

Fish Rock Gulch, 4.7 mi N Gualala R. Bridge on Hwy 1, Mendocino Co., Calif.

11 February 809. Dicamptodon ensatus, coll. C. Brown, R. Warner, D. Good  
810. " "  
811. " "  
812. " "  
813. " "  
814. " "  
815. " "  
816. " "  
817. " "  
818. " "  
819. " "  
820. " "  
821. " "  
822. " "  
823. " "  
824. " "  
825. " "  
826. " "  
827. " "  
828. " "





D.A. Good  
1984

## Catalogue

Fish Rock Gulch, 4.7 mi N Gualala R. Bridge on Hwy 1,  
Mendocino Co., Calif.

11. February 829 Decamptodon ensatus, coll. C. Brown, R. Warner, D. Good

Croshaw Gulch, ca.  $\frac{1}{4}$  mi. E bridge over ~~the~~ N. Fk.  
Gualala R. at jct. with Gualala R., Mendocino/Sonoma  
Cos., Calif.

11 February 830. Decamptodon ensatus, coll. C. Brown, R. Warner, D. Good

831. " "

832. " "

Walker Gulch, ca. 9.7 mi N Gualala R. Bridge on Hwy 1, Mendocino  
Co., Calif.

3 March 833. Decamptodon ensatus, coll. P. Kelly, J. Karges, D. Good

834. " "

835. " "

836. " "

837. " "

Morrison Gulch, ca. 9.2 mi. N Gualala R. Bridge, Mendocino Co.,  
Calif.

3 March 838. Decamptodon ensatus, coll. P. Kelly, J. Karges, D. Good

839. " "

840. " "

841. " "

842. " "

843. " "

844. " "





D.A. Good  
1984

# Catalogue

Morrison Gulch, ca. 9.2 mi N Gualala R. Bridge on Hwy 1,

Mendocino Co., Calif

3 March

- |      |                             |                                      |
|------|-----------------------------|--------------------------------------|
| 845. | <u>Deiampetodon ensatus</u> | , coll. P. Kelly, J. Karges, D. Good |
| 846. | "                           | "                                    |
| 847. | "                           | "                                    |
| 848. | "                           | "                                    |
| 849. | "                           | "                                    |
| 850. | "                           | "                                    |
| 851. | "                           | "                                    |
| 852. | "                           | "                                    |
| 853. | "                           | "                                    |
| 854. | "                           | "                                    |
| 855. | "                           | "                                    |
| 856. | "                           | "                                    |
| 857. | "                           | "                                    |

Gatchell Gulch

~~Quadrant~~ Gulch, 4.0 mi N Gualala R. Bridge on Hwy 1,

Mendocino Co., Calif

3 March

- |      |                             |                                      |
|------|-----------------------------|--------------------------------------|
| 858. | <u>Deiampetodon ensatus</u> | , coll. P. Kelly, J. Karges, D. Good |
| 859. | "                           | "                                    |
| 860. | "                           | "                                    |
| 861. | "                           | "                                    |
| 862. | "                           | "                                    |
| 863. | "                           | "                                    |
| 864. | "                           | "                                    |
| 865. | "                           | "                                    |
| 866. | "                           | "                                    |
| 867. | "                           | "                                    |





D.A. Good  
1984

## Catalogue

Getchell

~~Quinton~~ Gulch, 4.0 mi N Gualala R. Bridge on Hwy 1,

~~the~~ Mendocino Co., Calif

3 March

868. Dicamptodon ensatus, coll. P. Kelly, J. Karges, D. Good

869.

"

"

870.

"

"

871.

"

"

872.

"

"

873.

"

"

874.

"

"

875.

"

"

876.

"

"

877.

"

"

Little North Fork Gualala R. at junction with Doty Creek,

3 1/2 mi (airline) N Gualala, Mendocino Co., Calif.

3 March

878. Dicamptodon ensatus, coll. P. Kelly, J. Karges, D. Good

879.

"

"

880.

"

"

881.

"

"

882.

"

"

883.

"

"

884.

"

"

Fleming Creek, 4 mi N + 1 mi. W Gualala, Mendocino Co.

Calif

~~885.~~ 885. Dicamptodon ensatus, coll. P. Kelly, J. Karges, D. Good

886.

"

"





D. A. Good  
1984

# Catalogue

Pardaloe

~~Pardaloe~~ Creek at Signal Ridge Rd. Bridge, Mendocino Co., Calif

3 March

887. Decamptodon ensatus, coll. D. Good, J. Karges, P. Kelly

Gettishell Gulch, 4.0 mi N Gualala R. Bridge on Hwy 1, Mendocino Co., Calif

~~3~~ ~~3~~ March

888. Decamptodon ensatus, coll. B. Delidow, D. Good

889. " "

890. " "

891. " "

892. " "

893. " "

894. " "

895. " "

896. " "

897. " "

898. " "

899. " "

900. " "

901. " "

902. " "

903. " "

904. " "

905. " "

906. " "

907. " "

~~908~~





D.A. Good  
1984

## Catalogue

S. Fk. Schooner Gulch, ca 100m above jet with N. Fk., ca 12 mi.

N of Gualala R. Bridge on Hwy 1, Mendocino Co., Calif.

24 March

908. Dicamptodon ensatus, coll. B. Delidow, D. Good

909. " "

910. " "

911. " "

912. " "

913. " "

914. " "

915. " "

916. " "

917. " "

918. " "

919. " "

920. " "

921. " "

922. " "

923. " "

N Fk. Schooner Gulch, ca 100m above jet with S Fk., ca  
12 mi N Gualala R. Bridge on Hwy 1, Mendocino Co., Calif.

24 March 924. Dicamptodon ensatus, coll. B. Delidow, D. Good

Walker Gulch, ca. 9.7 mi. N Gualala R. Bridge on Hwy 1,  
Mendocino Co., Calif

24 March 925. Dicamptodon ensatus, coll. B. Delidow, D. Good

926. " "

927. " "





D. A. Good  
1984

Catalogue

Walker Gulch, ca. 9.7 mi. N Gualala R. Bridge on Hwy 1,  
Mendocino Co., Calif.

24 March

928. Dicamptodon ensatus, coll. B. Delidow, D. Good

929.

"

"

930.

"

"

931.

"

"

932.

"

"

933.

"

"

934.

"

"

Quinliven Gulch, 4.5 mi N Gualala R. Bridge on Hwy 1,  
Mendocino Co., Calif.

24 March

935. Dicamptodon ensatus, coll. B. Delidow, D. Good

936.

"

"

937.

"

"

938.

"

"

939.

"

"

940.

"

"

941.

"

"

942.

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943.

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944.

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"

945.

"

"

946.

"

"

947.

"

"

948.

"

"

949.

"

"





J. A. Good  
1984

# Catalogue

Quimliver Gulch, 4.5 mi N Gualala R. Bridge on Hwy 1,  
Mendocino Co., Calif

24 March 950. Dicamptodon ensatus, coll. B. Velasco, D. Good  
951. " "  
952. " "  
953. " "  
954. " "  
~~955.~~ " "

Bear Wallow Creek, ca. 1/2 mi upstream of jct. with Rancheria  
Creek, Mendocino Co., Calif

25 March 955. Dicamptodon ensatus, coll. M. Ruffianti, D. Wake, D. Good  
956. " "  
957. " "  
958. " "  
959. " "  
960. " "  
961. " "  
962. " "  
963. " "  
964. " "  
965. " "  
966. " "  
967. " "  
968. " "  
969. " "  
970. " "





D. A. Good  
1984

## Catalogue

Bear Wallow Creek, ca.  $\frac{1}{4}$  mi upstream from junction with  
Rancheria Creek, Mendocino Co., Calif

5 March

971. Dicamptodon ensatus, coll. M. Raggiante, D. Wake, D. Good  
972. " "  
973. " "  
974. " "  
975. " "  
976. " "

Gibson Creek, just outside (to W) of Ukiah, Mendocino Co.,  
Calif

31 March

1 April

977. Dicamptodon ensatus, coll. J. Marten, D. Good  
978. " "  
979. " "  
980. " "  
981. " "

Headwaters small tributary Pardaloe Cr., T. 12N, R. 13W, SW $\frac{1}{4}$   
sec. 18, Mendocino Co., Calif.

31 March

982. Dicamptodon ensatus, coll J. Marten, D. Good  
983. " "  
984. " "  
985. " "  
986. " "  
987. " "  
988. " "  
989. " "





D. A. Good  
1984

## Catalogue

Headwaters small tributary Pardaloe Cr., T. 12 N, R. 13 W, SW  $\frac{1}{4}$   
sec 18., Mendocino Co., Calif.

31 March	990.	<u>Decamptodon ensatus</u> , coll. J. Marten, D. Good
	991.	" "
	992.	" "
	993.	" "
	994.	" "
	995.	" "
	996.	" "
	997.	" "
	998.	" "
	999.	" "
	1000.	" "
	1001.	" "
	1002.	" "
	1003.	" "

Small tributary Billings Cr., T. 12 N, R. 14 W, NW  $\frac{1}{4}$  sec. 24,  
Mendocino Co., Calif. (Billings-1)

31 March	1004.	<u>Decamptodon ensatus</u> , coll. J. Marten, D. Good
	1005.	" "
	1006.	" "
	1007.	" "
	1008.	" "
	1009.	" "
	1010.	" "
	1011.	" "
	1012.	" "





D. A. Good  
1984

## Catalogue

Small tributary Bellings Cr., T. 12 N, R. 14 W, NW 1/4 sec. 24,  
Mendocino Co., Calif. (Bellings-1)

31 March 1013. Diampetodon ensatus, coll. J. Marten, D. Good

1014. " "

1015. " "

1016. " "

1017. " "

1018. " "

1019. " "

1020. " "

1021. " "

1022. " "

1023. " "

1024. " "

1025. " "

1026. " "

1027. " "

1028. " "

1029. " "

Small tributary Bellings Cr., T. 12 N, R. 13 W, NW 1/4 sec. 19,  
Mendocino Co., Calif. (Bellings-2)

31 March 1030. Diampetodon ensatus, coll. J. Marten, D. Good

1031. " "

1032. " "

1033. " "

~~1033~~ ~~Diampetodon ensatus~~ ~~coll. J. Marten, D. Good~~

1034. " "

1035. " "





D.A. Good  
1984

# Catalogue

Small tributary Billings Cr., T. 12 N, R. 13 W, NW  $\frac{1}{4}$  sec. 19,  
Mendocino Co., Calif. (Billings-2)

31 March

1036. Diamptodon ensatus, coll. J. Marten, D. Good

1037. " "

1038. " "

1039. " "

1040. " "

1041. " "

1042. " "

1043. " "

1044. " "

1045. " "

1046. " "

1047. " "

1048. " "

1049. " "

1050. " "

1051. " "

1052. " "

1053. " "

1054. " "

~~Left Fork of the~~ Small tributary Billings Cr., T. 12 N, R. 14  
W, SE  $\frac{1}{4}$  sec. 15, Mendocino Co., Calif. (Billings-3)

17 June

1055. Diamptodon ensatus

1056. "

1057. "





A. Good  
1984

# Catalogue

Small tributary Bellings Cr., T. 12N, R. 14W, SE  $\frac{1}{4}$  sec. 15,

Mendocino Co., Calif (Bellings-3)

17 June

1058. Dicamptodon ensatus

1059. "

1060. "

~~1059~~. 1061. "

~~1060~~. 1062. "

1063. "

1064. "

1065. "

1066. "

1067. "

1068. "

1069. "

1070. "

1071. "

1072. "

1073. "

1074. "

1075. "

1076. "

1077. "

1078. "

1079. "

1080. "





A. Good  
1984

# Catalogue

Middle fork headwaters Inman Cr., T. 12N, R. 14W, SW  $\frac{1}{4}$   
sec. 15, Mendocino Co., Calif.

7 June

1081. Decamptodon ensatus

1082.

"

1083.

"

1084.

"

1085.

"

1086.

"

1087.

"

1088.

"

1089.

"

1090.

"

1091.

"

1092.

"

1093.

"

1094.

"

1095.

"

1096.

"

1097.

"

1098.

"

1099.

"

1100

"

1101

"

1102

"

1103

"

1104

"

1105.

"





D. A. Good  
1984

# Catalogue

Tributary Signal Cr., T. 12N, R. <sup>15</sup> W, NW  $\frac{1}{4}$  sec. 35.,  
Mendocino Co., Calif.

17 June

1106. Dicamptodon ensatus

1107. "

1108. "

1109. "

1110. "

1111. "

1112. "

1113. "

1114. "

1115. "

1116. "

1117. "

1118. "

1119. "

1120. "

1121. "

1122. "

1123. "

1124. "

1125. "

1126. "

1127. "

1128. "

1129. "

1130. "





D.A. Good  
1984

# Catalogue

Headwaters tributary N. Flk. Gualala R., T. 11N, R. 12W, SW  $\frac{1}{4}$  sec.

30, Mendocino Co., Calif.

29 June

1131 Desmopteron ensatus, coll. P. Diggie, D. Good

1132.

1133.

1134.

1135.

1136.

1137.

1138.

1139.

1140.

1141.

1142.

1143.

1144.

1145.

1146.

1147.

1148.

1149.

1150.

1151.

1152.

1153.

1154.

1155.





O.A. Good  
1984

## Catalogue

Headwaters tributary Garcia R., T. 12N, R. 15W, SW 1/4 Sec 34,  
Mendocino Co., Calif

29 June

1156. Desimptodon ensatus, coll. P. Diggle, D. Good

1157. " "

1158. " "

1159. " "

1160. " "

1161. " "

1162. " "

1163. " "

1164. " "

1165. " "

1166. " "

1167. " "

1168. " "

1169. " "

1170. " "

1171. " "

1172. " "

1173. " "

1174. " "

1175. " "

1176. " "

1177. " "

1178. " "

1179. " "

1180. " "





A. Good  
1984

# Catalogue

Headwaters Doty Cr., T. 11 N, R. 15 W, NW 1/4 sec 2, Mendocino Co.,  
Calif.

29 June	1181.	<u>Desamptodon</u> <u>ensatus</u>	, coll. P. Duggle, D. Good
	1182.	"	"
	1183.	"	"
	1184.	"	"
	1185.	"	"
	1186.	"	"
	1187.	"	"
	1188.	"	"
	1189.	"	"
	1190.	"	"
	1191.	"	"
	1192.	"	"
	1193.	"	"
	1194.	"	"
	1195.	"	"
	1196.	"	"
	1197.	"	"
	1198.	"	"
	1199.	"	"
	1200.	"	"
	1201.	"	"
	1202.	"	"
	1203.	"	"
	1204.	"	"
	1205.	"	"





D. A. Good  
1984

Catalogue

Grasshopper Cr. at Soda Sp. Rd., a few mi E. Annapolis,  
Sonoma Co., Calif.

1 July

- |                  |                           |                         |
|------------------|---------------------------|-------------------------|
| 1206.            | <u>Deamptodon ensatus</u> | coll. A. Bauer, D. Good |
| 1207.            | "                         | "                       |
| 1208.            | "                         | "                       |
| 1209.            | "                         | "                       |
| 1210.            | "                         | "                       |
| <del>1211.</del> | "                         | "                       |
| 1212.            | "                         | "                       |
| 1213.            | "                         | "                       |
| 1214.            | "                         | "                       |
| 1215.            | "                         | "                       |
| 1216.            | "                         | "                       |
| 1217.            | "                         | "                       |
| 1218.            | "                         | "                       |
| 1219.            | "                         | "                       |
| 1220.            | "                         | "                       |
| 1221.            | "                         | "                       |
| 1222.            | "                         | "                       |
| 1223.            | "                         | "                       |
| 1224.            | "                         | "                       |

Little N. Flz. Gualala R. at Jct with Doty Cr., 3 1/2 mi (airline)

N. Gualala, Mendocino Co., Calif

1 July

- |       |                           |                         |
|-------|---------------------------|-------------------------|
| 1225. | <u>Deamptodon ensatus</u> | coll. A. Bauer, D. Good |
| 1226. | "                         | "                       |





D.A. Good  
1984.

## Catalogue

Fleming Cr., 4 mi N, 1 mi W (airline) Gualala, Mendocino Co., Calif.

1 July

1227. Dreumptodon ensatus, coll. A. Bawa, D. Good

1228.

"

"

- eaten by 1232

1229.

"

"

1230.

"

"

1231.

"

"

1232.

"

"

~~1233.~~

~~"~~

~~"~~

1233.

"

"

Tumble Cr. at Hwy 12, Idaho Co., Idaho [T. 24 N, R. 8 E, Sec. 25]

24 August

1234. Dreumptodon atterimus

Larry Cr. Rd, ca  $\frac{1}{4}$  mi below 1st jct. above Larry Cr. Campground, Ravalli Co, Mont. [T. 10 N, R. 20 W, SW Sec 29]

23 Aug.

1235. ♀ Eumeces skiltonianus

Talus slope N. side of <sup>Bass</sup> ~~Rock~~ Cr., ca 300 m above end of rd., Ravalli Co., Mont [T. 10 N, R. 20 W, Sec. 31]

23 Aug.

1236. Thamnophis sirtalis

1237.

"

"





D. A. Good  
1984

# Catalogue

Otter Slide Cr. at Hwy 12, Idaho Co., Idaho [T. 34 N, R. 9 E, SW Sec 5]

24 Aug.

1238. ♀ Dicamptodon atterimus

1239. ♂ " "

1240. ♀ " "

Wild Horse Creek at Hwy 12, Idaho Co., Idaho [T. 34 N, R. 8 E, Sec. 13]

1 September

1241. Dicamptodon atterimus

Oneonta Gorge, Multnomah Co., Oregon

3 September

1242 ♀ ad Dicamptodon copei (?)

1243. ♂ im. " "

1244. ♂ ad. " "

1245. ♂ im. " "

1246. im. " "

1247. im. " "

1248 ♂ im Dicamptodon tenebrosus

1249 ♀ im. " "

1250 " "

1251 " "

1252. " "

1253. " "

1254. " "

1255. " "

1256. " "

1257. " "

1258. " "





D. A. Good  
1984

# Catalogue

Otter Slide Cr. at Hwy 12, Idaho Co., Idaho [T. 34 N, R. 9 E, SW Sec 5]

24 Aug. 1238. ♀ Desamptodon atterimus  
1239. ♂ " "  
1240. ♀ " "

Wild Horse Creek at Hwy 12, Idaho Co., Idaho [T. 34 N, R. 8 E, Sec. 13]

1 September 1241. Desamptodon atterimus

Oneonta Gorge, Multnomah Co., Oregon

3 September 1242 ♀ ad Desamptodon copei (?)

1243. ♂ im. " "

1244. ♂ ad. " "

1245. ♂ im. " "

1246. im. " "

1247. im. " "

1248 ♂ im Desamptodon tenebrosus

1249 ♀ im. " "

1250 " "

1251 " "

1252. " "

1253. " "

1254. " "

1255. " "

1256. " "

1257. " "

1258. " "





DA Good  
1984

Catalogue

French Creek, Clearwater Co., Idaho [T. 37N, R. 6E, Sec. 7]

25 August

1259.	<u>Asaphus truei</u>	MUZFC
1260.	"	"
1261.	"	"
1262.	"	"
1263.	"	"
1264.	"	"
1265.	"	"
1266.	"	"
1267.	"	"
1268.	"	"
1269.	"	<del>to</del> "
1270.	"	<del>to</del> "
1271.	"	"
1272.	"	"
1273.	"	"
1274.	"	to D. M. Green
1275.	"	"
1276.	"	"
1277.	"	"
1278.	"	"
1279.	"	"
1280.	"	to S. D. Busack
1281.	"	"
1282.	"	"
1283.	"	"
1284.	"	"
1285.	"	"





D.A. Good  
1984

## Catalogue

Larry C. Rd., ca. 4 mi below 1st jct above Larry C. Campground,  
Ravalli Co., Mont. [T. 10N, R. 20W, SW sec. 28]

23 August 1286 - Asaphis tenei MUZFC

Oneonta Gorge, Multnomah Co., Oregon

3 September 1287. Asaphis tenei

1288. Rana aurora

Dry Creek at Hwy 56, Lincoln Co., Mont. [T. 29N, R. 33W, NW sec 9]

29 August 1289. Rana pretiosa MUZFC

Tumble C. at Hwy 12, Idaho Co., Idaho [T. 34N, R. 8E, SW sec. 25]

25 August 1290. Rana pretiosa MUZFC.

Otter Slide C. at Hwy 12, Idaho Co., Idaho, [T. 34N, R. 9E, SW sec 5]

25 August 1291 Rana pretiosa To David M Green

Tom Cat C. at Hwy 12, Idaho Co., Idaho [T. 34N, R. 8E, NW sec 24]

25 August 1292. Rana pretiosa To David M. Green

Navarro R. Beach, Mendocino Co., Calif

April 1983 1293. Thamnophis couchi - 1294 in stomach

1294. Ensatina eschscholtzii - stomach contents of 1293





1984

## Catalogue

Drake's Estero, Pt. Reyes, Marin Co., Calif

October 1983

1295. *Gerrhonotus coeruleus* coll. D. Good, M. Friedman.

1296.

"

"

1297.

"

"

1298.

"

"

1299.

"

"

Cottonwood Cr., 9200', Inyo Co., Calif

9 Sept. 1982

1300. *Gerrhonotus coeruleus*, coll. D. GoulianiSouth Africa, loc. undet1301. *Ichnotropis capensis*, from H. MacGregor

1302.

"

"

N. side Deschutes R., at Ukil, Thurston Co., Washington

18 August 1984

1303. *Elgaria coerulea*, coll. D.B. Wake.Drake's Estero, Pt. Reyes, Marin Co., Calif

September 1984

1304. *Elgaria coerulea*,

1305.

"

1306.

"

Fairfax, Marin Co., Calif

15 Nov. 1984

1307. *Diadophis punctatus*, coll. D.A. Good, D. Wake, N. Stueb, K. Nishikawa,

1308.

"

A. Schmidt





1984

Catalogue

Marina State Beach, W. End of reservation Rd., Monterey Co.,

Calif

23 June 1984 1309. Amniella pulchra, coll. K. deQueiroz, A. Bauer, D. Good.

Cesaron State Beach, Monterey Co., Calif

23 June. 1310 Amniella pulchra, coll. K. deQueiroz, A. Bauer, D. Good

Drakes Estero, Marin Co., Calif

September 1984 1311 Thamnophis couchii

1312

"

"

1313

"

scutatus





1985

## Catalogue

Walker Gulch, ca. 9.7 mi N Gualala R. Bridge on Hwy 1,  
Mendocino Co, Calif

5 January 1314 Dicamptodon ensatus, coll. P. Williams, D. Good  
 1316 " "  
 1317 " "

S. Fl. Schooner Gulch, ca 12 mi N Gualala R. Bridge on Hwy 1,  
Mendocino Co., Calif

5 January 1318 Dicamptodon ensatus, coll. P. Williams, D. Good  
 1319 " "  
 1320 " "  
 1321 " "  
 1322 " "  
 1323 " "  
 1324 " "  
 1325 " "

Elkhorn Cr., 1 mi S +  $\frac{1}{3}$  mi E Yorkville, Mendocino Co, Calif  
[T. 12N, R. 12W, SW Sec. 16]

13 April 1326 - 1350. Dicamptodon ensatus, coll. K. de Queiroz, <sup>R. Sage +</sup> D. Good

Tributary Ranchera Cr., 2 mi S,  $\frac{1}{4}$  mi W Yorkville,  
Mendocino Co, Calif [T. 12N, R. 12W, S-Central Sec 20]

13 April 1351 - 1362. Dicamptodon ensatus coll K de Queiroz, R. Sage, D. Good





D. Good  
1985

~~B.~~ Catalogue

Warm Spr. Cr. at Shaggy Spr. Rd., Sonoma Co, Calif [T. 10N, R. 11W, Sec 32]

28 April

1363-1366. Dicamptodon ensatus coll. N. Staub, D. Good

House Creek,

Shaggy Spr. Rd., Sonoma Co, Calif [T. 10N, R. 13W, SE 1/4 Sec 25]

28 April

1367-1391 Dicamptodon ensatus coll. N. Staub, D. Good

Boyd Cr., ca 200 yds upstream from jct. Fuller Cr. on Annapolis Rd, Sonoma Co, Calif

28 April

1392-1396 Dicamptodon ensatus, coll. N. Staub, D. Good  
[T. 10N, R. 13W, E 1/4 Sec 20]

Cannon Gulch, Sonoma Co, Calif

28 April

1397-1421 Dicamptodon ensatus coll. N. Staub, D. Good

Usal Rd, 2.4 mi N Hwy 1, Mendocino Co, Calif.

12 January

1422. Dicamptodon ensatus, coll. T. Wake, D. Good

0.3 mi up scenic rd, which is 8 mi up Lakeview Rd, at pt.

1 mi S Felton on Hwy 9, Santa Cruz Co, Calif.

Nov. 1984

1423. Dicamptodon ensatus, coll. T. Wake





DA Good

1985

# Catalogue

0.7 mi N Hwy 299 on Rd (ca. 3.5 mi (rd))  
E Blue Lake, Humboldt Co, Calif

1 May

1424-1433 Rhyacotriton olympicus

Elk River Rd, 0.5 mi E rd to MacGubbe Campground,  
Curry Co, Oregon

1 May

1434-1445 Rhyacotriton olympicus

11.0 mi E Reedport on Hwy 38, Douglas Co, Oregon

2 May

1446-1448 Rhyacotriton olympicus

~~Thompson Rd, 2 mi N Hwy 38~~

2.7 mi S Hwy 38 on County Rd 3 (to Loom Lake), Douglas  
Co, Oregon

2 May

1449-1459 Rhyacotriton olympicus

Thomson Rd, 1.2 mi NW Hwy 36 at Rainrock, Lane  
Co, Oregon

2 May

1460-1469 Rhyacotriton olympicus

2.9 mi E Hwy 101 on Little ~~Hatch~~ Nestucca River Rd,  
Tillamook Co, Oregon

3 May

1470-1483 Rhyacotriton olympicus

~~5.3~~ 5.3 mi from Kilehis River Rd along rd on S side  
of Kilehis R., Tillamook Co, Oregon

3 May

1484-1497 Rhyacotriton olympicus





D.A. Good  
1985

# Catalogue

Jct. Hwy 26 and Luckien Rd. (at Bridge over Nehalem R.)  
Clatsop Co, Oregon

3 May 1498 - ~~1499~~ 1508 Rhyacotriton olympicus

8.6 mi E jct Hwy 409 at Cathlamet on Hwy 7, Wahkiakum  
Co, Washington

4 May 1509-1520 Rhyacotriton olympicus 1514 to A. Larson

Dixon Rd, 1.2 mi W Hwy 101, Pacific Co, Washington

4 May 1521-1531 Rhyacotriton olympicus

2.5 mi E Hwy 107 on road along S side of Chehalis R, Gray's  
Harbor Co, Washington

4 May 1532-1536 Rhyacotriton olympicus

3.2 mi E Hwy 107 on rd along S side of Chehalis R,  
Gray's Harbor Co., Washington

4 May 1537-1552. Rhyacotriton olympicus

Merriman Cr., upstream from Lake Quinault, Gray's  
Harbor Co., Washington

5 May 1553-1562 Rhyacotriton olympicus

4.2 mi E Hwy 101 on Rd to Hoh Rain Forest, Jefferson Co,  
Washington

5 May 1563-1572 Rhyacotriton olympicus





A. Good  
1985

# Catalogue

0.5 mi N Lake Mills, Clallam Co, Washington

5 May

1573-1583. Rhyacionia olympicus

7.5 mi W Hwy 101 on Dosewallips Rd, Jefferson Co,  
Washington

6 May

1584-1592 Rhyacionia olympicus

0.3 mi S jct Hwy 25 on Hwy 26, Lewis Co, Washington

6 May

1593-1604 Rhyacionia olympicus

9.3 mi E Cunningham Rd jct at Rose Valley on Coweeman  
River Rd., Cowlitz Co, Washington

7 May

1605-1618 Rhyacionia olympicus

4.8 mi SE jct Fish Cr. Rd. on Clackamas R. Rd,  
Clackamas Co, Oregon

7 May

1619-1629. Rhyacionia olympicus

1.9 mi N Nend Blue River Lake on Forest Service Rd 15,  
Lane Co, Oregon

7 May

1630-1634 Rhyacionia olympicus

8.6 mi E jct Hwy 409 at Cathlamet on Hwy 4,  
Wahkiakum Co, Washington

4 May

1635 Taricha granulosa





1985  
D.A. Good

## Catalogue

Dixon Rd, 1.2 mi W Hwy 101, Pacific Co, Washington  
4 May 1636 Taricha granulosa

2.8 mi E Annapolis Rd just on Shagg Spr. Rd, Sonoma Co, Calif

19 May 1637-1648 Dicamptodon ensatus, coll. W.E. Rainey,  
D.A. Good 1648 swallowed by 1637

Redwood Cr., 6.7 mi W Hwy 29 in Napa on Redwood Rd, Napa Co, Calif

19 May 1649-1658 Dicamptodon ensatus coll. W.E. Rainey +  
D.A. Good

Mark West Cr., 3.3 mi W Summit (Napa/Sonoma Co. line) on Sprung Mtn. Rd, Sonoma Co, Calif

19 May 1659-~~1674~~. Dicamptodon ensatus, coll. W. E. Rainey,  
1674. D.A. Good.

3.9 mi E Annapolis Rd on Shagg Spr. Rd, Sonoma Co, Calif

19 May 1675-1686. Dicamptodon ensatus coll. W.E. Rainey,  
D. Good

1.6 mi E Annapolis Rd on Shagg Spr. Rd, Sonoma Co, Calif

19 May 1687-1696. Dicamptodon ensatus coll. W.E. Rainey,  
D. Good





D.A. Good  
1985

# Catalogue

Macaroni Cr., at Hwy 12, Idaho Co, Idaho

23 August 1697-1700. Dreamptodon ensatus

Tumble Cr., at Hwy 12, Idaho Co, Idaho

23 August 1701-1702 Dreamptodon ensatus

Omeenta Gorge, Multnomah Co, Oregon

4 August 1703-1716 (no 1714). Dreamptodon ensatus  
1717. D. copei

Tributary Elk Cr. at trail jct., 4.2 km S + 1.5 km W Elk Peak,  
Marble Mtn. Wilderness Area, Siskiyou Co, Calif 3550ft.

8 August 1718-1719. Dreamptodon ensatus. coll. R. Sage + J. Hansen

Signal Post Cr., 7.9 mi N Gualala R. Bridge on Hwy 1,  
Mendocino Co, Calif

23 December 1720-1744 Dreamptodon ensatus coll. K. Nishikawa, DAG

Roseman Gulch, 7.5 mi N Gualala R. Bridge on Hwy 1,  
Mendocino Co, Calif

23 December 1745-1753 Dreamptodon ensatus, coll. K. Nishikawa, DAG





D.A. Good  
1985

# Catalogue

Fish Rock Gulch, 4.7 mi N Gualala R. Bridge on Hwy 1, Mendocino Co., Calif

23 December 1754-1760 Dicamptodon ensatus coll. K. Nishikawa, DAG

Morrison Gulch, ca 9.2 mi N Gualala R. Bridge on Hwy 1, Mendocino Co., Calif

23 December 1761 Dicamptodon ensatus coll. K. Nishikawa, DAG

Slack Rock Cr., 8.9 mi N Gualala R. Bridge on Hwy 1, Mendocino Co., Calif

23 December 1762-1786 Dicamptodon ensatus coll. K. Nishikawa, DAG





D.A. Good  
1986

# Catalogue

1.5 mi (rd.) W Big Elk Forest Service Work Station on  
Harlan Rd, Lincoln Co, Oregon

14 January 1787-1796. Rhyacotriton olympicus coll. T.A. Wake, D.A. Good

2.4 mi S (rd.) Willamette Valley Lumber Co. Station ~~Station~~ <sup>ruins,</sup>  
(6.3 mi N + 2.8 mi E (air) Valsley), Polk Co, Oregon

10 January 1797-1807. Rhyacotriton olympicus, coll. T.A. Wake, D.A. Good

5.6 mi (rd) N Logsdon Rd jct. at Logsdon on rd. along  
Selety R., Lincoln Co, Oregon

13 January ~~1808-1817~~ <sup>1817</sup>. Rhyacotriton olympicus, coll. T.A. Wake, D.A. Good

3.4 mi (rd) NE Logsdon Rd on Steere Cr. Rd., Polk Co, Oregon

13 January 1818-1828 Rhyacotriton olympicus, coll. T.A. Wake, D.A. Good

3.8 (rd)

4 mi E Hwy 101 on Little Nestucca R. Rd., Tillamook Co,  
Oregon

11 January 1829-1838. Rhyacotriton olympicus coll. T.A. Wake, D.A. Good

4.5 mi (rd) E Hwy 299 on Forest Service Rd. 19, Lincoln Co,  
Oregon

12 January 1839-1847. Rhyacotriton olympicus, coll. D.A. Good, T.A. Wake

2.8 mi (rd) N Ojalla Bridge (over Selety R.) on Hwy 299,  
Lincoln Co, Oregon

12 January 1848-1851. Rhyacotriton olympicus, coll. T.A. Wake, D.A. Good





D.A. Good  
1986

## Catalogue

2.1 mi E Elk City Rd jct. on Harlan Rd, Lincoln Co,  
Oregon

14 January 1852-1860 Rhyacotriton olympicus coll. T.A. Wake, D.A. Good

Tributary on <sup>S</sup> side Schoone Cr., 5.7 mi (rd) E Hwy 101 on  
Schoone Cr. Rd, Lincoln Co, Oregon

11 January 1861-1875 Rhyacotriton olympicus, coll. T.A. Wake, D.A. Good  
(1861-1870 tissue)

2.9 mi E Hwy 101 on  
~~0.25 mi (rd) at Little Nestucca Park on Little Nestucca Rd,~~  
Tillamook Co, Oregon

11 January 1876-189~~3~~ Rhyacotriton olympicus, coll. T.A. Wake, D.A. Good  
~~(1876-1885 tissue)~~ No tissues taken

2.3 mi (rd) N Logsdon Rd. on Big Rock Cr. Rd., Polk Co,  
Oregon

13 January 1894-~~1895~~ Rhyacotriton olympicus, coll. T.A. Wake, D.A. Good

3 mi (rd) N Agency Creek Access Rd on Yoncalla Rd,  
Yamhill Co, Oregon

11 January 1895-1904 Rhyacotriton olympicus, coll. T.A. Wake, D.A. Good

3.8  
~~7~~ mi (rd) E Hwy 101 on Little Nestucca R. Rd., Tillamook Co,  
Oregon

11 January 1905-1910 Rhyacotriton olympicus, coll. T.A. Wake, D.A. Good  
no tissues taken





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0.2 mi (rd) N jct. Forest Rd. 7-7-5.1 on Gold Cr. Rd (=2.8 mi SW point where Gold Cr. Rd. leaves Gold Cr.), Polk Co, Oregon

12 January 1911 Rhyacotriton olympicus coll TA Wake, DA Good

0.3 mi (rd) S Valsetz Lake Dam, W side of lake, Polk Co., Oregon

13 January 1912-1921 Rhyacotriton olympicus, coll TA Wake, DA Good

9.9 mi W Big Elk Forest Service Work Station on Harlan Rd, Lincoln Co, Oregon

14 January 1922-1931 Rhyacotriton ~~olympicus~~ olympicus coll TA Wake  
DA Good

2.4 mi (rd) W Van Duzer State Park on Hwy 18, Lincoln Co, Oregon

10 January 1932-1937 Rhyacotriton olympicus coll DA Good, TA Wake

1.6 mi N Hayes Cr. Bridge off Hayes Cr. Rd, Lincoln Co, Oregon

14 January 1938-1944 Rhyacotriton olympicus coll TA Wake, DA Good

Groshong Gulch, ca. 1/4 mi E bridge over N flk. Gualala R. at jct with Gualala R., Mendocino / Sonoma Co, Calif.

26 February 1945-1949. Dicamptodon ensatus coll. D. Darda, D.A. Good

Jct. Buckeye Cr. + Flat Ridge Cr., on Kelly Rd., Sonoma Co, Calif.

6 February 1950-1954. Dicamptodon ensatus, coll. D Darda, DA Good





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## Catalogue

La Cantarrana Camp, 280 m elev., Zona Protectora La Selva,  
Prov. Heredia, Costa Rica

2 April

- |       |                                     |                          |
|-------|-------------------------------------|--------------------------|
| ZP-1. | <i>Smilisca sordida</i>             | pres. 3 April            |
| 2.    | <i>Eleutherodactylus diastema</i>   | "                        |
| 3.    | <i>Norops oxylophus</i>             | pres. 7 April            |
| 4.    | "                                   | pres. 5 April            |
| 5.    | <i>Norops limifrons</i>             | pres. <sup>7</sup> April |
| 6.    | "                                   | "                        |
| 7.    | <i>Eleutherodactylus fitzingeri</i> | pres. 4 April            |
| 8.    | "                                   | "                        |
| 9.    | <i>Smilisca sordida</i>             | "                        |
| 10.   | "                                   | "                        |
| 11.   | <i>Norops humilis</i>               | pres. 7 April            |
| 12.   | <i>Basileus plumifrons</i>          | pres. 8 April            |
| 13.   | <i>Oxybelis brevirostris</i>        | "                        |
| 14.   | <i>Rana warszewitschii</i> tadpoles | pres. 3 April            |

11.5 km S La Selva Bridge on trail to La Cantarrana Camp,  
240 m elev., Zona Protectora La Selva, Prov. Heredia, Costa Rica

2 April

- |       |                            |               |
|-------|----------------------------|---------------|
| ZP-15 | <i>Dendrobates pumilio</i> | pres. 4 April |
|-------|----------------------------|---------------|

La Cantarrana Camp, 280 m elev., Zona Protectora La Selva,  
Prov. Heredia, Costa Rica

3 April

- |       |                                  |               |
|-------|----------------------------------|---------------|
| ZP-16 | <i>Sphaerodactylus homolepis</i> | pres. 4 April |
| 17.   | <i>Dendrobates pumilio</i>       | "             |
| 18.   | "                                | "             |
| 19.   | "                                | "             |
| 20.   | "                                | "             |





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# Catalogue

La Cantarrana Camp, 280 m elev., Zona Protectora La Selva,  
Prov. Heredia, Costa Rica

3 April

ZP- 21. *Dendrobates pumilio*

pres 4 April

22. *Norops limifrons*

pres 7 April

23. *Norops humilis*

"

24. "

pres 5 April

25. "

pres 7 April

26. "

"

27. *Norops oxylophus*

"

28. "

"

29. "

"

30. "

"

31. "

"

32. "

"

33. *Eleutherodactylus bransfordi*

pres 4 April

34. "

"

35. *Bufo marinus*

"

36. "

"

37. "

"

38. "

"

39. *Smilisca sordida*

"

40. "

"

41. *Oxybelis brevirostris*

pres 8 April

42. *Imantodes cenchrus*

"

43. *Imantodes inornatus*

"

44. *Eleutherodactylus cuneatus*

pres 4 April

45. *Sphenomorphus cherrei*

"

46. *Rana warszewitschii* tadpoles

"





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## Catalogue

La Cantanara Camp, 280 m elev., Zona Protectora La Selva,  
Prov. Heredia, Costa Rica

3 April	ZP-47. <i>Rana palmipes</i> tadpoles	pres 4 April
	48. <i>Eleutherodactylus bransfordi</i>	"
	49. "	"
4 April	50. <i>Ameliva festiva</i>	"
	51. "	"
	52. <i>Norops humilis</i>	pres 7 April
	53. <i>Sphenomorphus chereii</i>	pres 4 April
	54. "	"
	55. <i>Norops lemurinus</i>	pres 5 April
	56. <i>Sphaerodactylus homolepis</i>	pres 4 April
	57. <i>Dendrobates pumilio</i> (with tadpole ZP-58)	"
	58. " (tadpole of ZP- <del>56</del> 57)	"
	59. <i>Leptodactylus pentadactylus</i>	"
	60. <i>Oxybelis aeneus</i>	pres 8 April
	61. Unidentified anuran eggs - hatched 5-6 April	
	62. <i>Norops limifrons</i>	pres 7 April

Río Toña, on trail between La Cantanara Camp and Cascante  
Camp, 500 m elev., Zona Protectora La Selva, Prov. Heredia,  
Costa Rica

5 April	ZP-63. <i>Chironius grandisquamis</i>	pres 8 April
	64. <i>Rana palmipes</i> tadpoles	pres 6 April





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Trail from La Cantarrana Camp to Cascante Camp, various elevations, Zona Protectora La Selva, Prov. Heredia, Costa Rica

5 April

- ZP- 65. *Norops carpenteri*, 350-400m pres 7 April  
66. *Eleutherodactylus cerasinus*, 350-400m pres 6 April  
67. *Eleutherodactylus caryophyllaceus*, 350-400m pres 5 April  
68. *Eleutherodactylus bransfordi*, 350-400m "  
69. " " "  
70. " " "  
71. *Eleutherodactylus biporcatus*, 350-400m "  
72. *Eleutherodactylus cerasinus*, 350-400m "  
73. *Norops humilis*, 350-400m pres 7 April  
74. " " "

La Cantarrana Camp, 280m elev., Zona Protectora La Selva, Prov. Heredia, Costa Rica

4 April

- ZP- 75. *Smilisca sordida* pres 5 April  
76. " "  
77. " "  
78. *Eleutherodactylus fitzingeri* "

Trail from La Cantarrana Camp to Cascante Camp, various elevations, Zona Protectora La Selva, Prov. Heredia, Costa Rica

5 April

- ZP- 79. *Norops carpenteri*, 460m pres 7 April  
80. *Sphaenomorphus cherrei*, 450m pres 5 April  
81. *Eleutherodactylus cerasinus*, 370m "  
82. " , 470m "





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## Catalogue

Trail from La Cantarana Camp to Cascante Camp, various elevations, Zona Protectora La Selva, Prov. Heredia, Costa Rica

5 April	ZP-83	<i>Eleutherodactylus caryophyllaceus</i> , 460 m	pres 7 April
	84.	<i>Eleutherodactylus bipoecatus</i> , 470 m.	"
	85.	<i>Eleutherodactylus transfordi</i> , 380 m	"
	86.	" , 450 m	"
	87.	" , 510 m	"
	88.	" , 370 m.	pres 6 April
	89.	<i>Eleutherodactylus fitzingeri</i> , 500 m.	pres 7 April
	90.	<i>Eleutherodactylus caryophyllaceus</i> , 460 m	"
	91.	<i>Eleutherodactylus bipoecatus</i> , 370 m	"
	92.	<i>Norops humilis</i>	"
	93.	<i>Eleutherodactylus bipoecatus</i>	"
	94.	<i>Eleutherodactylus transfordi</i>	"
	95.	<i>Norops humilis</i>	"
	96.	<i>Scaphrodontophis venustus</i> , 380 m	pres 9 April

Cascante Camp, 700 m elev., Zona Protectora La Selva, Prov. Heredia, Costa Rica

5 April	ZP-97.	<i>Leptophis depressirostris</i>	pres 8 April
	98.	<i>Anniella festiva</i>	pres 5 April
	99.	<i>Norops oxylophus</i>	pres 7 April
	100.	<i>Rana warschewitschii</i>	pres 8 April

Trail from La Cantarana Camp to Cascante Camp, 350 m elev., Zona Protectora La Selva, Costa Rica

5 April	ZP-101.	<i>Bothrops asper</i>	pres 7 April
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## Catalogue

La Cantanara Camp, 280 m elev., Zona Protectora La Selva,  
Prov. Heredia, Costa Rica

7 April ZP-102 *Tantilla reticulata* pres 8 April

Trail from La Cantanara Camp to Cascante Camp, 450 m  
elev., Zona Protectora La Selva, Prov. Heredia, Costa Rica

6 April ZP-103 *Bufo coriferus* pres 8 April

Trail from Cascante Camp to "1000 m" camp, various  
elevations, Zona Protectora La Selva and Braulio Carrillo Natl  
Park, Prov. Heredia, Costa Rica

6 April ZP-104 *Smilisca sordida*, 850 m pres 8 April

105. *Norops humilis* "

106. " "

107. " "

108. *Norops capito* "

7 April 109. *Eleutherodactylus bransfordi*, 815 m "

110. " , 955 m "

111. " , 960 m "

112. *Gymnophis multiplicata*, 940 m

113. *Atelopus varius*, 850 m pres 8 April

114. *Rana warszewitschii*, 795 m "

115. *Eleutherodactylus cruentus* (?), 730 m "

Cascante Camp, 700 m elev., Zona Protectora La Selva, Prov.  
Heredia, Costa Rica

7 April ZP-116. *Atelopus varius* pres 8 April

117. *Eleutherodactylus fitzingeri* "





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## Catalogue

Cascaute Camp, 700m elev, Zona Protectora La Selva, Prov.  
Heredia, Costa Rica

7 April	ZP-118. <i>Eleutherodactylus fitzingeri</i>	pres 8 April
	119. "	"
	120. "	"
	121. <i>Norops humilis</i>	"
	122. <i>Norops oxylophus</i>	"

Trail from Cascaute Camp to "1000m" camp, various  
elevations, Zona Protectora La Selva and Braulio Carrillo Natl  
Park, Prov. Heredia, Costa Rica

7 April	ZP-123. <i>Leptophis depressirostris</i>	pres 9 April
	124. <i>Eleutherodactylus talamancae</i>	pres 8 April
	125. <i>Eleutherodactylus crientus</i>	"
	126. <i>Eleutherodactylus crientus</i> (?)	"

Cascaute Camp, 700m elev., Zona Protectora La Selva, Prov.  
Heredia, Costa Rica

6 April	ZP-127. <i>Emilius selateri</i>	pres 6 April
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Trail from Cascaute Camp to "1000m" camp, various  
elevations, Zona Protectora La Selva and Braulio Carrillo  
National Park, Prov. Heredia, Costa Rica

8 April	ZP-128. <i>Rana palmipes</i> tadpoles, 700m	pres 9 April
	129. <i>Eleutherodactylus nobliei</i> , 700m	"
	130. <i>Eleutherodactylus caryophyllaceus</i> , 700m	"
	131. <i>Eleutherodactylus crientus</i> , 720m	"
	132. <i>Leptodeira septentrionalis</i> , 730m	"





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## Catalogue

Trail from Cascante Camp to "1000m" Camp, various elevations, Zona Protectora La Selva and Braulio Carrillo National Park, Prov. Heredia, Costa Rica

8 April

ZP-133. *Eleutherodactylus cerasinus*, 700m pres 9 April134. *Norops capito*, 730m "135. *Eleutherodactylus duastema*, 700m "136. *Norops humilis*, 730m "137. *Eleutherodactylus bransfordi*, 730m "138. *Eleutherodactylus campophyllaceus*, 750m "139. *Eleutherodactylus bransfordi*, 750m "140. *Norops humilis*, 990m "141. *Norops oxylophus*, 950m "

Cascante Camp, 700m elevation, Zona Protectora La Selva, Prov. Heredia, Costa Rica

8 April

ZP-142. *Norops oxylophus*

pres 9 April

143. *Centrolenella fleischmanni* "

9 April

144. *Micromys nigroinctus* "145. *Scaphrodontophis venustissimus* "146. *Eleutherodactylus fitzingeri* "

147. " "

148. Lizard from stomach of ZP-145 "

149. Unidentified tadpoles

pres 18 April

150. *Norops humilis*

Pres 9 April

10 April

151. *Tantilla* sp.

pres 10 April

9 April

152. *Ameliva festiva* "





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## Catalogue

Ridge between Quebrada Corralonga and Quebrada Las Juntas,  
various elevations, Zona Protectora La Selva, Prov. Heredia,  
Costa Rica

9 April	ZP-153. <i>Dendrobates pumilio</i> , 500m	pres 10 April
	154. <i>Eleutherodactylus cerasinus</i> , 540m	"

Quebrada Corralonga, 490m elev., Zona Protectora La Selva,  
Prov. Heredia, Costa Rica

9 April	ZP-155. <i>Bufo marinus</i>	pres 10 April
	156. "	"
	157. "	"
	158. "	"
	159. "	"
	160. "	"
	161. "	"
	162. "	"
	163. <i>Norops humilis</i>	"
	164. "	"
	165. hybrid tadpoles (?)	"
	166. <i>Rana warszewitschii</i> tadpoles	"

Ridge E of Quebrada Corralonga, various elevations, Zona  
Protectora La Selva, Prov. Heredia, Costa Rica

9 April	ZP-167. <i>Norops humilis</i> , 630m	pres 10 April
	168. <i>Dendrobates pumilio</i> , 620m	"
	169. <i>Eleutherodactylus bransfordi</i> , 580m	"
	170. " "	"
	171. " "	"





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## Catalogue

Ridge E of Quebrada Corralonga, various elevations, Zona Protectora La Selva, Prov. Heredia, Costa Rica

9 April

- ZP-172. *Eleutherodactylus biporcatus*, 590m pres 10 April  
173. " " "  
174. *Eleutherodactylus cerasinus*, 580m "  
175. " " "  
176. *Dendrobates pumilio*, 600m "  
177. *Eleutherodactylus biporcatus*, 660m "  
178. " " "  
179. " " "  
180. *Eleutherodactylus transfordi*, 630m "

Cascante Camp, 700m elev., Zona Protectora La Selva, Prov. Heredia, Costa Rica

10 April

- ZP-181. *Norops lemurinus* pres 10 April

Trail from Cascante Camp to "1000m" camp, 715m elev., Zona Protectora La Selva, Prov. Heredia, Costa Rica

10 April

- ZP-182. *Rana warszewitschii* pres 12 April

vicinity "1000m" camp, various elevations, Braulio Carrillo Natl Park, Prov. Heredia, Costa Rica

10 April

- ZP-183. *Eleutherodactylus cuentus*, 960m pres 12 April  
184. *Eleutherodactylus altus*, 990m "  
185. " " "  
186. *Eleutherodactylus deastema*, 990m "  
187. *Eleutherodactylus crassidigitus*, 990m "  
188. *Eleutherodactylus cuentus*, 990m "





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vicinity "1000 m" camp, various elevations, BraulioCarrillo Natl Park, Prov. Heredia, Costa Rica

11 April

ZP-189. *Nototriton picadori*, 960 m.

pres 13 April

190. *Eleutherodactylus crassidigitus*, 975 m

pres 12 April

Trail from "1000 m" camp to "1500 m" camp, various  
elevations, Braulio Carrillo National Park, Prov. Heredia,  
Costa Rica

11 April

ZP-191. *Eleutherodactylus diastema*, 975 m

pres 12 April

192. *Eleutherodactylus minus*, 1000 m

"

193. *Hyla uranochroa*, 990 m

"

194. *Eleutherodactylus diastema*, 1020 m

"

195. *Nototriton picadori*, 1030 m

pres 23 April

196.

"

"

"

197.

"

"

"

198. *Centrolenella* eggs (?), 1030 m <sup>hatched 23 April</sup>199. *Eleutherodactylus* eggs, 1030 m200. *Atelopus varius*, 1030 m

pres 12 April

201. *Lepidoblephanus xanthostigma*, 1030 m

"

Trail from Cascaete Camp to "1000 m" Camp, 920 mclw, Braulio Carrillo Natl Park, Prov. Heredia, Costa Rica

11 April

ZP-202 *Rana warszewitschii*

pres 13 April

"1000 m" camp, elevation 960 m, Braulio Carrillo Natl  
Park, Prov. Heredia, Costa Rica

11 April

ZP-203 *Norops oxylophus* egg (?)

12 April

204. *Eleutherodactylus altal*

pres 13 April





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## Catalogue

Cuscante Camp, 700 m elev., Zona Protectora La Selva, Prov.  
Heredia, Costa Rica

11 April ZP-205. *Norops lemniscatus* pres 12 April

Trail from Cuscante camp to "1000 m" camp, various  
elevations, Zona Protectora La Selva, Prov. Heredia, Costa Rica

11 April ZP-206. *Norops byreatus*, 700 m pres 12 April  
 207. *Drymobius melanotropis*, 770 m pres <sup>16</sup> April

"1500 m" camp, 1500 m elev., Braulio Carrillo Natl.  
Park, Prov. Heredia, Costa Rica

11 April ZP-208. *Atelopus varius* pres 19 April  
 209. " "

Cuscante Camp, 700 m elev., Zona Protectora La Selva,  
Prov. Heredia, Costa Rica

12 April ZP-210. *Leptophis depressirostris* pres 13 April  
 211. *Drymobius margaritiferus* "  
 212. *Leptophis depressirostris* "  
 213. *Micrurus nigrocinctus* "

Trail from "1000 m" camp to "1500 m" camp, various  
elevations, Braulio Carrillo Natl Park, Prov. Heredia, Costa  
Rica

12 April ZP-214. *Eleutherodactylus bransfordi*, 1130 m pres 13 April  
 215. *Norops oxylophus* egg (?), 1100 m  
 216. ~~Rana~~ *Norops humilis*, 1080 m pres 13 April  
 217. *Rana warszewitschii*, 920 m.





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## Catalogue

Trail from "1000 m" camp to "1500 m" camp, various elevations, Braulio Carrillo National Park, Prov. Heredia, Costa Rica

- 12 April ZP- 218. *Eleutherodactylus bransfordi*, 1040 m pres. 13 April  
219. *Norops humilis*, 1180 m "  
220. *Eleutherodactylus bransfordi*, 1100 m "

"1000 m" camp, ca. 960 m elev., Braulio Carrillo Natl Park, Prov. Heredia, Costa Rica

- 12 April ZP-221. *Norops humilis* pres 13 April

Trail from "1000 m" camp to "1500 m" camp, 1030 m elev., Braulio Carrillo Natl Park, Prov. Heredia, Costa Rica

- 12 April ZP-222. Unidentified tadpoles pres 13 April  
223. " "  
224. *Atelopus varius* "  
225. *Norops oxylophus* "

vicinity "1000 m" camp, ca. 960 m elev., Braulio Carrillo Natl Park, Prov. Heredia, Costa Rica

- 12 April ZP-226. *Atelopus varius* pres 13 April  
227. *Eleutherodactylus diastema* "  
228. *Phyllomedusa lemur* "  
229. *Eleutherodactylus crenatus* "  
230. *Eleutherodactylus diastema* "  
231. *Eleutherodactylus crassidigitus* "  
232. " "





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# Catalogue

vicinity "1000m" camp, ca 960 m elev., Braulio  
Carillo Natl Park, Prov. Heredia, Costa Rica

12 April

- ZP-233. *Imantodes cenchoa* pres 13 April  
234. " "  
235. *Centrolenella prosoblepon* "  
236. *Eleutherodactylus diastema* "  
237. *Bolitoglossa colonnei*  
238. *Eleutherodactylus caryophyllaceus* pres 13 April  
239. *Eleutherodactylus fitzingeri* "  
240. *Hyla uanochuca* "  
241. *Eleutherodactylus crassidigitus* "  
242. *Hyla uanochuca* "  
243. *Eleutherodactylus andi* (?) "

Trail from "1000 m" camp to Gary Hartshorn's 1000m  
forest plot, various elevations, Braulio Carillo National  
Park, Prov. Heredia, Costa Rica

12 April

- ZP-244. *Anotheca spinosa*, 1050m pres 20 April  
245. *Centrolenella prosoblepon*, 1000m pres 13 April  
246. *Eleutherodactylus caryophyllaceus* (with eggs ZP 247), 1040m "  
247. " (eggs of ZP 246) " "  
248. " , 1000m "  
249. *Imantodes cenchoa*, 1030m "  
250. *Dactylops insignis*, 1030m. "  
251. *Hyla uanochuca*, 1000m "  
252. *Eleutherodactylus diastema*, 1000m "  
253. " , 980m "  
254. " , 960m "





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# Catalogue

Trail from "1000m" camp to Gary Hartshorn's 1000m  
forest plot, various elevations, Braulio Carrillo Natl Park,  
Prov. Heredia, Costa Rica

12 April

- ZP-255. *Eleutherodactylus fitzingeri*, 960m pres 13 April  
256. *Hyla uranochroa*, 1010m "  
257. *Eleutherodactylus crassidigitus*, 1000-1050m "  
258. " " "  
259. " " "  
260. " " "  
261. " , 1000m "  
262. *Eleutherodactylus crientus*, 990m "  
263. *Hyla uranochroa*, 990m "  
264. *Eleutherodactylus altae*, 990m "  
265. *Eleutherodactylus diastema*, 1000m "  
266. *Eleutherodactylus crientus*, 1000m "  
267. *Eleutherodactylus crassidigitus*, 980m "  
268. *Eleutherodactylus caryophyllaceus*, 970m "  
269. *Hyla uranochroa*, 970m "  
270. *Eleutherodactylus bransfordi*, from stomach  
of ZP 234

13 April

271. *Eleutherodactylus* eggs (?), 960m  
272. *Norops carpenteri*, 960m pres 14 April  
273. *Imantodes anchora*, 1000m pres 24 April  
274. " , 980m "  
275. *Eleutherodactylus crassidigitus*, 980m pres 14 April  
276. " " "  
277. " 1000m "  
278. *Eleutherodactylus caryophyllaceus*, 1020m "





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## Catalogue

Trail from "1000m" Camp to Gary Hartschorn's 1000m  
forest plot, various elevations, Braulio Carrillo Nat'l Park,  
Prov. Heredia, Costa Rica

13 April

- ZP-279. *Eleutherodactylus caryophyllaceus*, 1000m pres 14 April  
 280. *Eleutherodactylus crientus*, 1000m "  
 281. *Eleutherodactylus diastema*, 1000m "  
 282. *Eleutherodactylus caryophyllaceus*, 980m "  
 283. *Eleutherodactylus crassidigitus*, 1020m "  
 284. " , 990m "  
 285. *Eleutherodactylus diastema*, 1000m "  
 286. " , 960m "

vicinity of "1000m" camp, ca. 960m elev., Braulio  
Carrillo Nat'l Park, Prov. Heredia, Costa Rica

13 April

- ZP-287. *Eleutherodactylus crassidigitus* pres 14 April  
 288. *Eleutherodactylus andi* "  
 289. *Eleutherodactylus altai* "  
 290. *Eleutherodactylus caryophyllaceus* "  
 291. *Eleutherodactylus diastema* "  
 292. *Hyla uranochroa* "  
 293. *Eleutherodactylus crientus* "  
 294. *Eleutherodactylus bransfordi* "  
 295. *Eleutherodactylus diastema* "  
 296. *Eleutherodactylus crassidigitus* "  
 297. *Eleutherodactylus diastema caryophyllaceus* "  
 298. " "  
 299. " "  
 300. *Eleutherodactylus crassidigitus* "





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## Catalogue

Vicinity of "1000 m" camp, ca. 960 m elev., Braulio Carrillo  
Natl Park, Prov. Heredia, Costa Rica

13 April

ZP-301. *Eleutherodactylus caryophyllaceus*

pres 14 April

302. *Eleutherodactylus crientus*

"

303. *Hyla macrochrysa*

"

Trail from Cascante camp to "1000 m" camp, 780 m elev.,  
Zona Protectora La Selva, Prov. Heredia, Costa Rica

13 April

ZP-304. *Clelia delia*

escaped 16 April

Trail from "1000 m" camp to "1500 m" camp,  
ca 980 m, Braulio Carrillo Natl Park, Prov. Heredia,  
Costa Rica

14 April

ZP-305. *Dendrophidion percarinatum*306. 3 *Eleutherodactylus* from stomach of pres 14 April

ZP-305

Vicinity of "1000 m" camp, ca 960 m elev., Braulio  
Carrillo Natl Park, Prov. Heredia, Costa Rica

13 April

ZP-307. *Eleutherodactylus caryophyllaceus*~~pres 14 April~~308. *Eleutherodactylus fitzingeri*

pres 15 April

309. *Eleutherodactylus diastema*

"

14 April

310. *Eleutherodactylus* eggs (?)

Trail from "1000 m" camp to "1500 m" camp, various  
elevations, Braulio Carrillo Natl. Park, Prov. Heredia, Costa Rica

14 April

ZP-311. *Eleutherodactylus andi*, 1030 m~~pres 15 April~~312. *Atelopus varius*, 990 m

pres 15 April





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## Catalogue

"1000 m" Camp, 960 m elev., Braulio Carrillo Natl Park,  
Prov. Heredia, Costa Rica

15 April ZP-313. *Eleutherodactylus diastema* pres 17 April  
314. *Leptodactylus melanonotus* "  
315. *Anadia orellata*

Trail from Cascante Camp to "1000 m" Camp, various  
elevations, Zona Protectora and Braulio Carrillo Natl Park,  
Prov. Heredia, Costa Rica

15 April ZP 316. *Eleutherodactylus bransfordi* pres 17 April  
317. " "  
318. *Bufo coriferus* "  
319. *Norops byrronotus*, 790 m pres 24 April  
320. *Drymobius melanotropis*, ca 960 m. "

Cascante Camp, 700 m elev., Zona Protectora La Selva, Prov.  
Heredia, Costa Rica

15 April ZP-321 *Anastreudium velliferum*  
322 *Smilisca phaeota* pres 17 April  
323 " "

"1500 m" Camp, 1500 m elev., Braulio Carrillo Natl. Park,  
Prov. Heredia, Costa Rica

15 April ZP-324. *Atelopus varius* pres 19 April  
325. " "  
326. *Hyla uranochroa* pres 17 April  
327. *Eleutherodactylus* <sup>*hyalaeformis*</sup> ~~*diastema*~~ "





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# Catalogue

Trail from "1000m" camp to "1500m" camp, various  
elevations, Braulio Carrillo Natl Park, Prov. Heredia,  
Costa Rica

16 April

ZP- 328. *Dendrophidion vinitor*, 990m

329. *Nototriton picadori*, 1310m

pres 24 April

330. " "

"

331. *Eleutherodactylus* <sup>isocetes</sup> *angelicus*, 1460m

pres 17 April

332. *Eleutherodactylus podiciferus*, 1460m

"

333. *Atelopus varius*, ~~1420~~ <sup>1420</sup> m

pres 19 April

334. *Nourps tropidolepis*, 1460m

pres 24 April

"1500m" camp, 1500m elev., Braulio Carrillo Natl Park,  
Prov. Heredia, Costa Rica

16 April

ZP- 335. *Atelopus varius*

pres 17 April

336. *Eleutherodactylus* <sup>isocetes</sup> *angelicus*

"

337. "

"

15 April

338. "

"

339. "

"

340. "

"

341. "

"

342. "

"

343. "

"

344. "

"

345. "

"

16 April

346. *Nototriton picadori*

pres 24 April

347. "

"

348. "

"

349. "

"





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# Catalogue

"1500m" camp, 1500m elev., Braulio Carrillo Natl Park,  
Prov. Heredia, Costa Rica

16 April	ZP-350	Eleutherodactylus <sup>escobari</sup> angelicus	pres 17 April
	351.	Centrolenella prosoblepon	"
	352.	"	"
	353.	Atelopus varius	"
	354.	Nourps tropidolepis	"
<del>15</del> 15 April	355.	"	"

vicinity "1500m" camp, various elevations, Braulio Carrillo  
Natl Park, Prov. Heredia, Costa Rica

17 April	ZP-356	Nototriton <sup>richardi</sup> <del>richardi</del> , 1520m	pres 24 April
	357.	" "	"
	358.	Eleutherodactylus podiciferus, 1500m	pres 18 April
	359.	Eleutherodactylus eggs (?), 1520m	
	360.	Eleutherodactylus <sup>escobari</sup> angelicus, 1500m	pres 18 April
	361.	Nototriton piadovi, 1500m	pres 24 April
	362.	" "	"
	363.	" "	"
	364.	" "	"
	365.	" "	"
	366.	Eleutherodactylus podiciferus, 1490-1500m	pres 18 April
	367.	" "	"
	368.	" "	"
	369.	" "	"
	370.	Eleutherodactylus <sup>escobari</sup> angelicus, 1500m	"
	371.	Nototriton piadovi, 1500m	pres 24 April
	372.	Geophis <sup>smithi</sup> <del>smithi</del> , 1500m	"





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# Catalogue

vicinity "1500m" camp, 1500m elev., Braulio Carrillo Nat'l  
Park, Prov. Heredia, Costa Rica

17 April

ZP- 373. *Eleutherodactylus* <sup>escobesi</sup> ~~angelicus~~

pres 18 April

374. *Eleutherodactylus podiciferus*

"

375. *Centrolenella prosoblepon*

"

376. "

"

377. "

"

378. *Centrolenella fleischmanni*

"

379. "

"

380. *Hyla angustilineata*

"

381. "

"

382. "

"

383. "

"

384. "

"

385. *Eleutherodactylus melanostictus*

"

386. "

"

387. "

"

388. "

"

389. "

"

390. "

"

391. "

"

392. *Eleutherodactylus* <sup>*hylaformis*</sup> ~~*liastema*~~ (?)

393. ~~*Eleutherodactylus*~~ *Hyla angustilineata*

pres 18 April

394. "

"

395. "

"

396. *Hyla tica*

"

397. *Norops tropidolepis*

"

18 April

398. *Eleutherodactylus* <sup>escobesi</sup> ~~angelicus~~

"





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# Catalogue

Trail from "1500m camp" to "2050m" camp, 1700-1800m  
elev., Braulio Carrillo Natl Park, Prov. Heredia, Costa Rica

18 April

ZP-399. *Drymobius melanotropis*

Pres 18 Apr.

400. *Eleutherodactylus* sp. from stomach of ZP ~~399~~ 400 " "

401. *Leimadophis epinephalus*

402. *Drymobius melanotropis*

pres 24 April

vic. "1500m" camp, 1500m elev., Braulio Carrillo  
Natl Park, Prov. Heredia, Costa Rica

18 April

ZP-403. *Atelopus varius*

pres 19 April

404. *Eleutherodactylus melanostictus*

"

19 April

405. *Eleutherodactylus podiciferus*

"

406. *Nototriton richardi*

pres 24 April

407.

"

"

18 April

408. *Norops tropidolepis*

pres 19 April

409. *Eleutherodactylus melanostictus*

"

410.

"

"

411.

"

"

412.

"

"

413.

"

"

414. *Centrolenella prosoblepon*

"

415. *Norops tropidolepis*

"

416. *Eleutherodactylus podiciferus*

"

417. *Eleutherodactylus ~~diastema~~ (??) hylaformis*

"

418.

"

"

419.

"

"

420. *Hyla angustilineata*

421. *Nototriton picadori*

pres 24 April





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## Catalogue

vic. "1500m" camp, 1500m elev., Braulio Carrillo Natl  
Park, Prov. Heredia, Costa Rica

18 April	ZP- 422. <i>Nototriton picadori</i>	pres 24 April
	423. "	"
	424. "	"
	425. <i>Hyla tica</i>	pres 18 April
	426. <i>Eleutherodactylus melanostictus</i>	"
	427. <i>Eleutherodactylus podiciferus</i>	"

Trail from "1500m" camp to "2050m" camp, 1500-1600m  
elev., Braulio Carrillo Natl Park, Prov. Heredia, Costa Rica

18 April	ZP- 428. <i>Eleutherodactylus podiciferus</i>	pres 19 April
	429. "	"
	430. "	"
	431. "	"

Trail from "1500m" camp to "2050m" camp, 1700-1800m  
elev., Braulio Carrillo Natl Park, Prov. Heredia, Costa Rica

18 April	ZP- 432. <i>Eleutherodactylus podiciferus</i>	pres 19 April
	433. "	"
	434. "	"
	435. "	"

Trail from "1500m" camp to "2050m" camp, various elevations,  
Braulio Carrillo Natl Park, Prov. Heredia, Costa Rica

ZP- 436. <i>Norops taopedobispis</i> , 1570m	pres 24 April
437. "	"
438. unidentified tadpoles, 1700m	





# Catalogue

vic "1500m" camp, 1500m elev., Braulio Carrillo Natl.

Park, Prov. Heredia, Costa Rica

- |          |  |               |
|----------|--|---------------|
| 19 April | ZP-439. <i>Eleutherodactylus</i> <sup>escobari</sup> <del>angelicus</del>    | pres 19 April |
|          | 440. <i>Nototriton puadori</i>   | pres 24 April |
|          | 441. <i>Bolitoglossa</i> sp. "sulpalmata"                                    | pres 24 April |
|          | 442. <i>Atelopus varius</i>  | pres 20 April |
|          | 443. <i>Eleutherodactylus melanostictus</i>                                  | "             |
|          | 444. <i>Eleutherodactylus</i> <sup>hyalaformis</sup> <del>diastema</del> (?) | "             |
|          | 445. <i>Centrolenella fleischmanni</i>                                       | "             |
|          | 446. <i>Norops tropidolepis</i>  | pres 24 April |
|          | 447. <i>Hyla tica</i>  | pres 20 April |
|          | 448. <i>Centrolenella eulenemos</i>  |               |
|          | 449. <i>Bolitoglossa</i> sp. "sulpalmata"                                    |               |
|          | 450. <i>Eleutherodactylus</i> <sup>escobari</sup> <del>angelicus</del>       | pres 20 April |
|          | 451. <i>Eleutherodactylus melanostictus</i>                                  | "             |

Trail from "1500m" camp to "2050m" camp, 1840m,

Braulio Carrillo Natl Park, Prov. Heredia, Costa Rica

- |          |                                 |               |
|----------|---------------------------------|---------------|
| 20 April | ZP-452 - <i>Hyla uranochroa</i> | pres 20 April |
|----------|---------------------------------|---------------|

1800m cabin, on Trail from "1500m" camp to "2050m"

camp, Braulio Carrillo Natl Park, Prov. Heredia, Costa Rica

- |          |                             |               |
|----------|-----------------------------|---------------|
| 20 April | ZP-453. <i>Norops altae</i> | pres 24 April |
|          | 454. " , escaped 21 April   |               |
|          | 455. <i>Hyla mularis</i>    | pres 21 April |
|          | 456. "                      | "             |
|          | 457. "                      | "             |





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# Catalogue

1800 m cabin, on trail from "1500 m" camp to "2050 m"  
camp, Braulio Carrillo National Park, Prov. Heredia,  
Costa Rica

20 April

ZP-458 *Hyla uranochroa*

pres 21 April

459. *Centrolenella fleischmanni*

"

460. *Eleutherodactylus melanostictus*

"

461. *Hyla pseudopuma* ~~nigularis~~

"

462. "

"

463. *Norops tropidolepis*

464. *Eleutherodactylus* <sup>*hylaformis*</sup> ~~*desteria*~~

pres 21 April

465. *Eleutherodactylus* <sup>*escorp.*</sup> ~~*angelicus*~~

"

466. *Hyla fimbriimembra* / *nigularia*

467. *Rhadinosa* ~~*guntheri*~~

pres 24 April

21 April

468. *Eleutherodactylus podiciferus*

pres 21 April

469. "

"

470. *Rana vibicaria*

pres 24 April

471. "

"

472. *Eleutherodactylus melanostictus*

"

473. "

"

474. *Eleutherodactylus* <sup>*escorp.*</sup> ~~*angelicus*~~

475. *Norops tropidolepis*

pres 24 April

476. "

"

477. "

"

478. "

"

479. "

"

480. "

"

481. *Eleutherodactylus melanostictus*

482. *Bolitoglossa* ~~*sps*~~ "subpalmata"

pres 24 April





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# Catalogue

1800 m cabin on trail from "1500 m" camp to "2050 m"  
camp, Braulio Carrillo Natl Park, Prov. Heredia, Costa  
Rica

21 April

ZP-483. *Bolitoglossa* sp. "subpalmata"

pos 24 April

484. *Nototriton picadori*

485. *Nototriton richardi*

486. "

487. *Hyla fimbriemembra/miliaria*

488. *Hyla miliaris*

pos 24 April

489. "

490. "

491. *Nototriton picadori*

492. *Hyla angustilineata*

493. "

494. "

495. *Ninia* sp. *prephota*

496. *Centrolenella prosoblepon*

pos 24 April

497. *Eleutherodactylus* ~~*diastema*~~ (?) *hylaformis*

"

Trail from "1500 m" camp to "2050 m" camp, various  
elevations, Braulio Carrillo Natl Park, Prov. Heredia, Costa Rica

ZP-498. *Eleutherodactylus podiceps*, 1850 m

pos 24 April

499. *Nourps tropidolepis*, 1800 m

500. " "

501. ~~*Nourps*~~ " , 1820 m

502. " , 1830 m

503. " " "

504. " " "





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## Catalogue

Trail from "1500m" camp to "2050m" camp, various elevations, Braulio Carrillo Natl. Park, Prov. Heredia, Costa Rica

- 22 April ZP-505. *Norops tropidolepis*, 1830m pres 24 April  
506. *Eleutherodactylus podiciferus*, 1860m "  
507. " " "  
508. *Hyla angustilineata*, 1830m "  
509. " 1940m "  
510. *Norops tropidolepis*, 1870m "  
511. " 1875m "  
512. *Rana vibicaria*, 1870m "  
513. " " "

" "2050m" camp, 2050m elev., ~~2050~~ Braulio Carrillo Natl Park, Prov. Heredia, Costa Rica

- 21 April ZP-514. *Mesaspis monticola* pres 24 April

Trail from "1500m" camp to "2050m" camp, 2020m elev., Braulio Carrillo Natl Park, Prov. Heredia, Costa Rica

- 22 April ZP-~~514~~ 515. *Mesaspis monticola* pres 24 April

Roadhead for "2050m" camp, 1900-2000m elev., vic. Braulio Carrillo Natl Park, Prov. Heredia, Costa Rica

- 16 April ZP-516. *Nototriton pizadori*

" "2050m" camp, 2050m elev., Braulio Carrillo Natl Park, Prov. Heredia, Costa Rica

- 16 April ZP-517. *Trimetopon gracile*





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# Catalogue

"2050 m" camp, 2050 m elev., Braulio Carrillo Natl  
Park, Prov. Heredia, Costa Rica

14 April	ZP-518. <i>Mesaspis monticola</i>	pres 24 April
16 April	519. "	"
17 April	520. "	"
	521. <i>Geophis hoffmanni</i>	"
	522. <i>Nourps tropidolepis</i>	"
19 April	523. "	"
20 April	524. "	"
	525. "	"
	526. "	pres. 22 April
	527. "	"
22 April	528. <i>Geophis hoffmanni</i>	pres 24 April
	529. <i>Nourps tropidolepis</i>	"
20 April	530. <i>Nourps altus</i>	"
	531.	pres 22 April
24 <del>April</del> April	532. <i>Ilyta pseudopuma</i>	pres 24 April
	533. "	"
	534. "	"
	535. "	"
	536. "	"
	537. "	"
23 April	538. <i>Eleutherodactylus escobes</i>	"
	539. <i>Nourps tropidolepis</i>	"
	540. "	"
	541. "	"
	542. "	"
	543. "	"





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## Catalogue

"2050m" camp, 2050m elev., Braulio Carrillo Natl  
Park, Prov. Heredia, Costa Rica

- |          |  |               |
|----------|--|---------------|
| 23 April | ZP- 544. <del>Sitta</del> <i>Sceloporus malachiticus</i> | pres 24 April |
|          | 545. "   | "             |
|          | 546. <i>Ityla pseudopuma</i>                             | "             |
|          | 547. <i>Nourps tropidolepis</i>                          | "             |
| 22 April | 548. <i>Oedipina poelzi</i>                              |               |
| 23 April | 549. <i>Nourps tropidolepis</i>                          | pres 24 April |
|          | 550. "   | "             |
|          | 551. <i>Geophis hoffmanni</i>                            | "             |
|          | 552. "   |               |
|          | 553. <i>Rhadinaea calligaster</i>                        |               |
|          | 554. "   |               |
|          | 555. "   | pres 24 April |
|          | 556. "   | "             |
|          | 557. <i>Bolitoglossa "subpalmata"</i>                    | pres 25 April |
|          | 558. <i>Oedipina poelzi</i>                              | pres 24 April |
|          | 559. "   | "             |

Trail from "2050m" camp to "2600m" camp, various  
elevations, Braulio Carrillo Natl Park, Prov. Heredia,  
Costa Rica

- |          |  |               |
|----------|--|---------------|
| 23 April | ZP- 560. <i>Eleutherodactylus podiiferus</i> , ca. 2300m | pres 24 April |
|          | 561. <i>Bolitoglossa "subpalmata"</i> , ca 2300m.        | "             |
|          | 562. <i>Bothriechis nigroviridis</i> , ca. 2300m.        | "             |





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# Catalogue

"2050m" camp 12050m elev., Braulio Carrillo Natl Park,  
Prov. Heredia, Costa Rica

23 April	ZP- 563 <i>Oedipina poelzi</i>	pres 24 April
	564 "	
	565 <i>Bolitoglossa "subpalmata"</i>	<del>pres 24 April</del>
	566 <i>Oedipina poelzi</i>	pres 24 April
	567 <i>Nototriton picadori</i>	<del>pres 24 April</del>
	568 "	#
	569 "	#
	570 <i>Eleutherodactylus hylaeformis</i> (?)	pres 24 April
	571 "	"
	572 <i>Hyla pseudopuma</i>	"
	573 "	"
	574 "	"
	575 <i>Eleutherodactylus podicipinus</i>	"
24 April	576 <i>Rana vibicaria</i>	"
	577 <i>Mesaspis monticola</i>	"
	578 <i>Geophis hoffmanni</i>	"
	579 "	"
	580 "	"
25 April	581 <i>Hyla pseudopuma</i>	pres 26 April
	582 "	"
	583 "	"
	584 "	"
	585 <i>Rana vibicaria</i>	"
	586 "	"
	587 <i>Mesaspis monticola</i>	"
	588 "	"





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## Catalogue

"2050 m" camp, 2050 m elev, Braulio Carrillo Natl Park,  
Prov. Heredia, Costa Rica

25 April	ZP-589	Mesaspis monticola	pres 26 April
	590	Rhadinaea calligaster	"
	591	"	"
	592	Oedipina poelzi	"
	593	"	

Trail from "2050 m" camp to "2600 m" camp, 2200 m  
elev., Braulio Carrillo Natl Park, Prov. Heredia, Costa  
Rica

25 April	ZP-594	Eleutherodactylus hylaformis	pres 26 April
----------	--------	------------------------------	---------------

SE slope of 1st Maria above "2050 m" camp, various elevations  
Braulio Carrillo Natl Park, Prov. Heredia, Costa Rica

25 April	ZP-595	Atelopus senex, 2070 m	
	596	" , 2300 m	pres 26 April
	597	" "	
	598	" "	
	599	" , 2330 m	pres 26 April
	600	Eleutherodactylus podicipinus, 2240 m	"

"2050 m" camp, 2050 m elev., Braulio Carrillo Natl Park,  
Prov. Heredia, Costa Rica

25 April	ZP-601	Sceloporus malacotinens	pres 26 April
----------	--------	-------------------------	---------------

"1500 m" camp, 1500 m elev, Braulio Carrillo Natl Park, Prov.  
Heredia, Costa Rica

19 April	ZP-602	Hyla angustilineata	pres 26 April
----------	--------	---------------------	---------------

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## Catalogue

"2050m" Camp, 2050m elev., Braulio Carrillo Natl Park,  
Prov. Heredia, Costa Rica

25 April

ZP-603. *Hyla pseudopuma*

pres 26 April

604.

"

"

~~605~~ 605.

"

"

606.

"

"

607.

"

"

608.

"

"

609. *Hyla pseudopuma* eggs.

"

610. *Centrolenella prosoblepon*

"

611. *Eleutherodactylus hyaliformis*

"

612. *Nourps altae*

"

613. *Rana vibicaria*

"

614.

"

"

26 April

615. *Atelopus senex*

"

616. *Oedipina poelzi*

617.

"

618. *Sceloporus malachiticus*619. *Mesaspis monticola*620. *Rana vibicaria*621. *Hyla pseudopuma* tadpoles

pres 26 April

622. *Rana vibicaria* tadpoles

"

623. *Hyla pseudopuma* eggs

"

624. ~~*Hyla*~~ *Rana vibicaria* eggs

"

~~*Atelopus senex* eggs~~~~*Atelopus*~~





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# Catalogue ~~Journal~~

Trail from "2050m" camp to "2600m", various elevations,  
Braulio Carrillo Natl Park, Prov. Heredia, Costa Rica

27 April

ZP-625. *Eleutherodactylus poolei*, 2300m <sup>between</sup> (2nd + 3rd Maria)

626. " 2420m (3rd Maria)

627. *Bolitoglossa subpalmata*, 2490m (top of 4th Maria)

628. " 2810m (jct. trail + rd. above Sacramento)

629. " " "

630. " " "

631. " " "

632. " " "

633. " " "

634. " " "

635. " " "

636. " " "

637. " " "

638. *Rana vibicaria*, 2400m

639. " "

640. " "

25 April

641. " "

27 April

642. " , 2610m

"2600m" camp, 2640m elev., Braulio Carrillo Natl Park,  
Prov Heredia, Costa Rica

25 April

ZP-643. *Mesaspis monticola*

644. 3 *Hyla pichardi* tadpoles (?)





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## Catalogue

Road above Sacramento, ~2810 m elev., Braulio

Carillo Nat'l Park, Prov. Heredia, Costa Rica

28 April ZP-645. *Mesaspis monticola*

646. *Bolitoglossa subpalmata*, (ca. jct. of trail to 2050 m)

647. " "

648. " "

649. " "

650. " "

651. " "

652. " "

653. " "

654. " "

655. " "

Mirador above Laguna Volcan Barba, 2850 m elev., Braulio

Carillo Nat'l Park, Prov. Heredia, Costa Rica

28 April ZP-656. *Bolitoglossa subpalmata*

657. "

658. "

659. "

660. "

661. "

662. "

Laguna Volcan Barba, 2820 m elev., Braulio Carillo Nat'l  
Park, Prov. Heredia Costa Rica

28 April ZP-663. *Rana vibicaria* tadpoles



1986  
DA Good

~~Journal~~  
Catalogue

"2600m" camp, 2640m elev, Braulio Carrillo Natl Park,  
Prov. Heredia, Costa Rica

28 April

ZP-664. *Bolitoglossa subpalmata*  
665. *Mesaspis monticola*

Road from Sacramento to "2600m" camp, 2280m elev.,  
N of Braulio Carrillo Natl Park, Prov. Heredia, Costa Rica

28 April

ZP-666. *Rhadinaea calligaster*





DA Good  
1986

## Catalogue

1.5 km N Poasito jct. on rd. to Vara Blanca, 1950 m elev, Prov.

Heredia, Costa Rica

3 May

T-1. *Nototriton pliacovi*

pres 10 May

Cabina Tapantí, 1290 m elev., 1.6 km. S Tapantí Bridge over

Río Grande de Orozi on rd. to Refugio Nacional Tapantí, Prov.

Cartago, Costa Rica

5 May

T-2 *Gymnopsis multiplicata*

pres 6 May

Tres de Junio, ca 2650 m elev., along Hwy 2 on Cerro de la

Muerte, Prov. San José, Costa Rica

6 May

T-3. *Bolitoglossa cervensis*

pres 12 May

4. *Bolitoglossa subpalmata*

5. "

6. "

7. "

8. "

9. "

10. "

11. "

Cabina Tapantí, 1290 m elev., 1.6 km S Tapantí Bridge over

Río Grande de Orozi on rd. to Refugio Nacional Tapantí, Prov.

Cartago, Costa Rica

7 May

T-12. *Ninia maculata*

pres. 10 May





D.A. Good  
1986

## Catalogue

1.2 km N Dos Amigos bridge over Río Grande de Oro on main  
rd. through Refugio Nacional Tapantí, 1490 m elev., Prov.  
Cartago, Costa Rica

7 May

T-13. *Trimetopon gracile*

pres 12 May

0.8 km N Dos Amigos bridge over Río Grande de Oro on main  
rd. through Refugio Nacional Tapantí, 1481 m elev., Prov.  
Cartago, Costa Rica

7 May

T-14. Unidentified tadpoles

0.6 km NW ICE. dam on main rd. through Refugio  
Nacional Tapantí, 1640 m elev., Prov. Cartago, Costa Rica

7 May

T-15a. Unidentified tadpoles  
15b. "

Oropendola trailhead, 1275 m elev., 4.1 km S Tapantí Bridge  
over Río Grande de Oro on main rd. through Refugio  
Nacional Tapantí, Prov. Cartago, Costa Rica

7 May

T-16. Unidentified tadpoles  
17. "

Bufo

pres. 17 May

Cabina Tapantí, 1290 m elev., 1.6 km S Tapantí Bridge  
over Río Grande de Oro on rd. to Refugio Nacional Tapantí,  
Prov. Cartago, Costa Rica

8 May

T-18. *Ptychocheilichthys plicatus*

pres 12 May

19. *Bufo marinus*

pres 10 May

20. *Geophis hoffmanni*

"

21. *Eleutherodactylus podiceps* ~~bransfordi~~

"





DA Good  
1986

## Catalogue

Cabrera Tapantí, 1290 m elev., 1.6 km S Tapantí Bridge over  
Río Grande de Orozi on rd. to Refugio Nacional Tapantí,  
Prov. Cartago, Costa Rica

8 May

T-22. *Eleutherodactylus cuentus*

23.

"

24.

"

25.

"

26.

"

"Failed Motel", 1228 m elev., 1.9 km S ~~the~~ Tapantí Bridge over  
Río Grande de Orozi on rd. to Refugio Nacional Tapantí, Prov.  
Cartago, Costa Rica

8 May

T-27 *Norops humilis*

pres 10 May

28. *Bufo melanochloris coniferus*

"

9 May

29.

"

"

Reserve Headquarters, 1265 m elev., Refugio Nacional Tapantí,  
2.5 km S Tapantí Bridge over Río Grande de Orozi on main  
rd through reserve, Prov. Cartago, Costa Rica

9 May

T-30. *Norops*

pres 10 May

0.6 km N Oropendola trailhead, 1280 m elev., ~~3.5~~ 3.5 km S  
Tapantí Bridge over Río Grande de Orozi on main rd. through  
Refugio Nacional Tapantí, Prov. Cartago, Costa Rica

9 May

T-~~32~~ 31. *Norops limifrons*

Pres. 10 May





D.A. Good  
1986

## Catalogue

Arboles Caídos trail ~~(S. 1986)~~, various elevations, beginning  
4.1 km S Tapantí Bridge over Río Grande de Oro on main  
rd. through Refugio Nacional Tapantí, Prov. Cartago, Costa Rica

9 May

T-32. *Norops capito*, 1360m pres 10 May

33. *Eleutherodactylus* <sup>*bransfordi*</sup> ~~*pacificus*~~, ~~1400m~~ 1390-1520m

34. *Eleutherodactylus podiceps*, ~~1410m~~ "

35. *Eleutherodactylus bransfordi*, ~~1440m~~ "

36. " ~~1495m~~ "

37. " ~~1520m~~ "

38. *Eleutherodactylus podiceps*, ~~1510m~~ " pres 14 May

39. " ~~1440m~~ " "

40. " ~~1390m~~ " "

41. *Eleutherodactylus* <sup>*argenteus*</sup> ~~*mellanostratus*~~, 1500m pres 10 May

Tres de Junio, ca 2650m elev., along Hwy 2 on Cerro de  
la Muerte, Prov. San José, Costa Rica

6 May

T-42. Unidentified tadpoles

Cabina Tapantí, 1290m elev., 1.6 km S Tapantí Bridge over Río  
Grande de Oro on rd. to Refugio Nacional Tapantí, Prov.  
Cartago, Costa Rica

10 May

T-~~42~~ 43. *Bufo marinus* pres 11 May

Reserve headquarters, 1265m elev., Refugio Nacional ~~Tapantí~~  
2.5 km S Tapantí Bridge over Río Grande de Oro on main  
rd. through Refugio Nacional Tapantí, Prov. Cartago, Costa Rica

10 May

T-44. *Norops lunifrons* pres 11 May





DA Good  
1986

## Catalogue

ICE. trail, 1525 m elev, 0.6 km up rd. on W side of  
Río Grande de Orozi from bridge at jct. Río Grande de  
Orozi + Río Dos Amigos, Refugio Nacional Tapantí, Prov.  
Cartago, Costa Rica

10 May

T-45. *Eleutherodactylus* <sup>disastera?</sup> ~~podiceps~~

pres 14 May

46. *Nototriton picador*

Palmitos Trail, various elevations, starting 8.9 km S Tapantí  
Bridge over Río Grande de Orozi on main rd. through Refugio  
Nacional Tapantí, Prov. Cartago, Costa Rica

10 May

T-47. *Norops tropidolepis*, 1785 m

pres 11 May

48. " , 1600 m

"

49. " "

"

50. *Norops* sp. , 1600 m

"

51. " "

"

52. *Eleutherodactylus crientus*, 1570-1600 m

pres 14 May

53. " "

"

54. *Eleutherodactylus caryophyllaceus* 1570-1600 m

"

55. *Eleutherodactylus crientus*, 1570-1600 m

"

56. *Centrolenella prosoblepon*, 1570 m

"

57. *Hyla uranochroa* "

"

58. *Hyla pseudopuma* "

"

59. *Eleutherodactylus podiceps*, 1645-1785 m

"

60. " "

"

61. " "

"

62. " "

"

63. " "

"

64. " "

"





D.A. Good  
1986

## Catalogue

Palmitos Trail, 1775 m elev, trailhead 8.9 km S Tapantí bridge  
over Río Grande de Orozi on main rd. through Refugio  
Nacional Tapantí, Prov. Cartago, Costa Rica

10 May T-65. *Eleutherodactylus* sp.

pos 14 May

3.4 km N Dos Amigos bridge over Río Grande de Orozi on  
main rd. through Refugio Nacional Tapantí, 1570 m elev.,  
Prov. Cartago, Costa Rica

11 May T-66. *Rhadinaea pulveriventris* ?

3.6 km N Dos Amigos bridge over Río Grande de Orozi on  
main rd through Refugio Nacional Tapantí, 1565 m elev,  
Prov. Cartago, Costa Rica

11 May <sup>T-67</sup> *Geophis* sp.

pos 12 May

3.8 km N Dos Amigos bridge over Río Grande de Orozi on  
main rd. through Refugio Nacional Tapantí, 1555 m elev,  
Prov. Cartago, Costa Rica

11 May <sup>T-68</sup> *Trimetopon gracile*

pos 12 May

Jct. Río Dos Amigos + Río Grande de Orozi, 1490 m elev,  
Refugio Nacional Tapantí, Prov. Cartago, Costa Rica

11 May T-69. *Dendrophidion paucicarinatum*

pos 12 May





DA Good  
1986

## Catalogue

Unmarked trail, various elevations, beginning 4.2 km  
N Dos Amigos bridge over Río Grande de Orozi on main  
rd through Refugio Nacional Tapanti, Prov. Cartago, Costa Rica

- 11 May T-70. ~~unidentified~~ colubrid, 1560m ~~Rhadinaea~~ <sup>Colaptes</sup> pres 12 May  
71. *Eleutherodactylus podiciferus*, 1585m pres 14 May  
72. *Eleutherodactylus bransfordi*, 1540m "

Between "Fabled Motel" and main Gate of Refugio Nacional  
Tapanti, 1230-1270 m elev, 1.9-2.6 km S Tapanti bridge  
over Río Grande de Orozi on rd. to Refugio, Prov. Cartago,  
Costa Rica

- 11 May T-73. *Norops limifrons* pres 12 May  
74. " "  
75. " "  
76. " "  
77. " "  
78. " "  
79. " "  
80. " "  
81. " "  
82. " "  
83. " "  
84. " "  
85. " "  
86. " "  
87. " "  
88. " "  
89. " "  
90. " "





DA Good  
1986

## Catalogue

Quebrada Cosa Blanca, 1230 m elev, 1.7 km S Tapanti Bridge  
over Río Grande de Oro on rd to Refugio Nacional Tapanti,  
Prov. Cartago, Costa Rica

11 May T-91. *Gentianella fleischmanni* pres 14 May

0.1 km S "Faded Motel", 1228 m elev, 2.0 km S Tapanti  
Bridge over Río Grande de Oro on rd to Refugio Nacional  
Tapanti, Prov. Cartago, Costa Rica

11 May T-92. *Eleutherodactylus diastema* pres 14 May

Cabrera Tapanti, 1290 m elev., 1.6 km S Tapanti bridge over Río  
Grande de Oro on rd to Refugio Nacional Tapanti, Prov.  
Cartago, Costa Rica

12 May T-93. *Norops capito* pres 14 May  
94. *Eleutherodactylus ~~podiceps~~ bransfordi*

vicinity Refugio Nacional Tapanti, Prov. Cartago, Costa Rica

12 May T-95. *Norops capito* pres 14 May

Oropendola treulhead, 1275 m elev., 4.1 km S Tapanti bridge  
over Río Grande de Oro on main rd. through Refugio  
Nacional Tapanti, Prov. Cartago, Costa Rica

12 May T-96. *Norops limifrons* pres 14 May

97. "

98. "

99. "

100. "

101. "

102. *Rana* tadpoles (pipiens)





DA Good  
-1986

## Catalogue

Arboles Caídos trail, 1275-1360 m elev, starting 4.1 km S  
Tapantí bridge over Río Grande de Orozi on main rd through  
Refugio Nacional Tapantí, Prov. Cartago, Costa Rica

12 May T-103. *Eleutherodactylus diastema*  
104. "

pres 13 May  
pres 14 May  
~~pres 14 May~~  
"

105. *Eleutherodactylus* <sup>*caryophyllaceus*</sup> ~~*caerulescens*~~

100-200 m upstream from Tapantí bridge on W side Río  
Grande de Orozi, 1205 m elev, Prov. Cartago, Costa Rica

13 May T-106. *Norops humilis*

pres 14 May  
"

107. *Bufo marinus*

108. *Ptychozlossus plicatus*

"

stream, ca 1230 m elev, ca 1 km S Tapantí bridge over  
Río Grande de Orozi on rd to Refugio Nacional Tapantí, Prov.  
Cartago, Costa Rica

13 May T-109. *Norops humilis*

pres 14 May

Cabina Tapantí, 1290 m elev, 1.6 km S Tapantí bridge over Río  
Grande de Orozi on rd to Refugio Nacional Tapantí, Prov. Cartago,  
Costa Rica

13 May T-110. 45 snake eggs

(one pres 13 May)  
others ~ 20 May)

100m S Quebrada Casa Blanca, 1230 m elev, 1.8 km S  
Tapantí bridge over Río Grande de Orozi on rd to Refugio  
Nacional Tapantí, Prov. Cartago, Costa Rica

14 May T-111. *Norops humilis*

pres 17 May





D.A. Good  
1986

## Catalogue

Reserve headquarters, 1265m elev., Refugio Nacional Tapantí,  
2.5km S Tapantí bridge over Río Grande de Orozi on main  
rd. through Refugio Nacional Tapantí, Prov. Cartago, Costa Rica

14 May T-112. *Ptychozlossus plicatus* DOR Pres 14 May

Palmitos trail, various elevations, starting 8.9 km S Tapantí  
bridge over Río Grande de Orozi on main rd through Refugio  
Nacional Tapantí, Prov. Cartago, Costa Rica

17 May T-113. ~~Phyllorhina~~ *Anolis microtus*?, ca 1650m

114. *Hyla* sp., ca 2000m

115. *Rana* tadpoles, ca 2000m

116. *Eleutherodactylus podiiferus*, ca 1650-2000m

117. " "

118. *Eleutherodactylus* <sup>*eryentus*</sup> ~~*melanostratus*~~, ca 1650-1750m

119. " "

120. *Eleutherodactylus podiiferus*, ca 1650-2000m

121. " "

18 May 122. *Norops tropidolepis*, 1570m

123. " "

20 May 124. " "

125. " "

126. " "

0.5km N Dos Amigos bridge over Río Grande de Orozi on  
main rd. through Refugio Nacional Tapantí, 1480m elev,  
Prov. Cartago, Costa Rica

20 May T-127. *Hyla pseudopuma*





DA Good  
1986

## Catalogue

Parque Nacional Cahuita, sea level, Prov. Limón, Costa Rica

19 May

T-128. *Gonatodes*

129. "

Arboles Caídos Trail, 1275-1300m elev, 4.1 km S Tapantí  
bridge over Río Grande de Orozú on main rd through Refugio  
Nacional Tapantí, Prov. Cartago, Costa Rica

18 May

T-130. *Rana "pipiens"*, 1275m

131. "

132. *Bufo* <sup>*coriferus*</sup> ~~*melanochloris*~~, 1275m

133. *Bufo* <sup>*coriferus*</sup> ~~*melanochloris*~~ (?) eggs, 1275m

134. *Eleutherodactylus diastema*, ~1300m

7.8 km S Tapantí bridge over Río Grande de Orozú on main  
rd. through Refugio Nacional Tapantí, 1530m elev, Prov.  
Cartago, Costa Rica

18 May

T-135. *Hyla pseudopuma*

136. "

137. "

5.7 km S Tapantí bridge over Río Grande de Orozú on  
main rd through Refugio Nacional Tapantí, 1340m elev.,  
Prov. Cartago, Costa Rica

18 May

T-138. *Norops tropidolepis*

139. *Norops* sp.





DA Good  
1986

## Catalogue

Arboles Caídos Trail, various elevations, 4.1 km S of Tapantí  
bridge over Río Grande de Oro on main rd. through Refugio  
Nacional Tapantí, Prov. Cartago, Costa Rica

21 ~~22~~ May

T-140. Bufo <sup>podiceps</sup> ~~metachalcus~~, 1275m

141.

"

"

142.

"

"

22 May

143. Rana "pipiens", 1275m

144. Eleutherodactylus diastema, ca. 1400m

145. Norops capito, ca 1420m

146. Eleutherodactylus podiceps, 1300-1530m

147. Eleutherodactylus bransfordi "

148. Eleutherodactylus podiceps "

149. " "

150. Eleutherodactylus bransfordi "

151. " "

152. Eleutherodactylus podiceps "

153. " "

154. " "

155. Eleutherodactylus bransfordi "

Groperdola trail, ca 1270m elev., 4.1 km S Tapantí bridge over  
Río Grande de Oro on main rd. through Refugio Nacional  
Tapantí, Prov. Cartago, Costa Rica

22 May

T-156. Norops capito





DA Good  
1986

## Catalogue

Sombilla de Pobre trail, ca 1350 m elev., 2.5 km S

Tapantí bridge over Río Grande de Oro on main rd.

through Refugio Nacional Tapantí, Prov. Cartago, Costa Rica

22 May

T-157. *Centrolenella prosoblepon*

300m N Dos Amigos bridge over Río Grande de Oro on main

rd. through Refugio Nacional Tapantí, 1485m elev, Prov.

Cartago, Costa Rica

22 May

T-158. *Hyla pseudopuma*

159.

"

160.

"

161.

"

162.

"

163.

"

164.

"

165.

"

166. *Hyla pseudopuma* eggs

167. *Hyla pseudopuma* tadpoles

1.7 km E Río Porras bridge on main rd. through Refugio  
Nacional Tapantí, 1630m elev, Prov. Cartago, Costa Rica

23 May

T-168. *Rana vibicaria*

ca 200m E ICE tunnel, along rd., ca 1600m elev, Refugio  
Nacional Tapantí, Prov. Cartago, Costa Rica

23 May

T-169. unidentified tadpoles *Hyla pseudopuma*





O.A. Good  
1986

## Catalogue

E end ICE tunnel, 1640 m elev, ~~Paraná~~ Refugio Nacional  
Tapantí, Prov. Cartago, Costa Rica

23 May T-170. *Rana vibicaria*  
171. unidentified tadpoles

0.5 km S Dos Amigos bridge over Río Grande de Orozú on  
main rd. through Refugio Nacional Tapantí, 1532 m elev,  
Prov. Cartago, Costa Rica

23 May T-172. *Hyla* sp.  
173. "

Sombrilla de Pobre trail, ca 1300 m elev., 2.5 km S Tapantí  
bridge over Río Grande de Orozú on main rd. through  
Refugio Nacional Tapantí, Prov. Cartago, Costa Rica

23 May T-174. *Norops tropidolepis*

300 m N Dos Amigos bridge over Río Grande de Orozú on  
main rd. through Refugio Nacional Tapantí, 1485 m elev,  
Prov. Cartago, Costa Rica

23 May T-175. *Hyla pseudopuma*  
• 176. "

2.7 km N Dos Amigos bridge over Río Grande de Orozú  
on main rd. through Refugio Nacional Tapantí, ca 1570 m  
elev, Prov. Cartago, Costa Rica

24 ~~May~~ May T-177. *Hyla pseudopuma*





DA Good  
1986

## Catalogue

vicinity "Failed Motel", ca. 1230 m elev, ca 1.9 km S  
Tapanti bridge over Río Grande de Oro on rd to Refugio  
Nacional Tapanti, Prov. Cartago, Costa Rica

24 May

T-178. Bufo coniferus

~~2.0~~ 2.0 km S Tapanti bridge <sup>over Río Grande de Oro</sup> ~~thru~~ on main rd through  
Refugio Nacional Tapanti, 1230 m elev, Prov. Cartago,  
Costa Rica

24 May

T-179. Dendrophidion paucacarinatum

Arboles Caudes trail, 1275-1530 m elev, 4.1 km S Tapanti  
bridge over Río Grande de Oro on main rd through Refugio  
Nacional Tapanti, Prov. Cartago, Costa Rica

24 May

T-180. Eleutherodactylus podiceps

181.

"

"

182.

"

bransfordi

183.

"

"

184.

"

podiceps

185.

"

"

186.

"

bransfordi

187.

"

"

0.6 km S Dos Amigos bridge over Río Grande de Oro on  
main rd. through Refugio Nacional Tapanti, 1540 m elev,  
Prov. Cartago, Costa Rica

24 May

T-188. Hyla sp.





DA Good  
~~#~~  
1986

## Catalogue

Sombilla de Pobre trail, various elevations, 2.5 km S

Tapanti bridge over Río Grande de Orozi on main rd through  
Refugio Nacional Tapanti, Prov. Cartago, Costa Rica

24 May

T-189. *Eleutherodactylus poduferus*, 1360m

190.

"

1370m

191. *Hyla* sp., 1375m. (found dead)

Río Quiri, 1300-1350m elev., 0.3-2.0<sup>(?)</sup> km ~~NE~~ NE jct

Tapanti rd + Tausito rd., Prov. Cartago, Costa Rica

25 May

T-192. *Nototriton* ~~po~~ *richardsi* (1300m, 0.3 km)

193. *Eleutherodactylus cuentus*

194. *Norops humilis*

195. *Norops* sp.

vicinity "Failed Motel", ca 1225m elev, 1.8 km S Tapanti  
bridge over Río Grande de Orozi on rd to Refugio Nacional  
Tapanti, Prov. Cartago, Costa Rica

25 May

T-196. *Norops humilis*

Arbolitos Caidos trail, ~~about 1500m~~ <sup>1500</sup> (1500-1530m),

4.1 km S Tapanti bridge over Río Grande de Orozi on main  
rd. through Refugio Nacional Tapanti, Prov. Cartago, Costa Rica

26 May

T-197. ~~*Norops tapitapis*~~ *Eleutherodactylus poduferus*

198

"





DA Good  
1986

# Catalogue

Quebrada ca. 2.2 km S Tapanti bridge over Río Grande de Oro on rd to Refugio Nacional Tapanti, ca 1240m elev, Prov. Cartago, Costa Rica.

25 May T-199. *Norops* ~~*limifrons*~~ *tropidolepis*

Cabina Tapanti, 1290m elev, 1.6 km S Tapanti bridge over Río Grande de Oro on rd to Refugio Nacional Tapanti, Prov. Cartago, Costa Rica

27 May T-200. *Ninia maculata*  
201. *Geophis hoffmanni*

3.0 km S Tapanti bridge over Río Grande de Oro on main rd. through Refugio Nacional Tapanti, ca. 1260m elev, Prov. Cartago, Costa Rica

26 May T-202. *Bufo* tadpoles

Coffee finca immediately N Tapanti bridge over Río Grande de Oro, ca 1210m elev, Prov. Cartago, Costa Rica

27 May T-203. *Ninia maculata*

204. "

205. "

206. *Norops limifrons*

207. *Bufo marinus*





A Good  
1986

## Catalogue

ICE Trail, 1525m elev, 0.6 km up rd on W side of Río Grande de Oro  
from bridge at jct. Río Grande de Oro  
+ Río Dos Amigos, Refugio Nacional Tapantí, Prov. Cartago,  
Costa Rica

28 May

T-208. *Nototriton picador*

209. eggs

210. "

Cabina Tapantí, 1290m elev, 1.6 km S Tapantí bridge over  
Río Grande de Oro on rd. to Refugio Nacional Tapantí,  
Prov. Cartago, Costa Rica

28 May

T-211. *Ptychozonus plicatus*

212. *Eleutherodactylus carayphylloides*

213. "

214. "

Chopendola trail, ca 1275m elev, 4.1 km S Tapantí bridge  
over Río Grande de Oro on main rd through Refugio  
Nacional Tapantí, Prov. Cartago, Costa Rica

29 May

T-215. *Norops capito*

2.8 km N Dos Amigos bridge over Río Grande de Oro on  
main rd through Refugio Nacional Tapantí, 1580m elev,  
Prov. Cartago, Costa Rica

28 May

T-216. *Norops tropidolepis*





DA Good  
1986

## Catalogue

Finca Las Churatas, ca. 1150 elev, 5.1 km W Tapanti  
bridge over Río Grande de Oro (betw. Río Macho +  
Pirindí), Prov. Cartago, Costa Rica

29 May

F-217. *Ninia maculata*

218. *Geophis hoffmanni*

Tres de Junio, ca 2650 m elev., along Hwy 2 on Cerro de  
La Muerte, Prov. Cartago, Costa Rica

31 May

T-219. *Bolitoglossa subpalmata*

220.

"

221.

"

222.

"

223.

"

224.

"

225.

"

226.

"

227.

"

228.

"

229.

"

Betw. Powerline towers 59 + 60, 2615 m elev, on trail from  
Refugio Nacional Tapanti to Tres de Junio (on Hwy 2), Prov.  
Cartago, Costa Rica

31 May

T-230. *Bolitoglossa subpalmata*

231.

"

232.

"

233.

"

234.

"

235.

"





DA Good  
1986

## Catalogue

Betw. powerline towers 59+60, 2600m elev, on trail from  
Refugio Nacional Tapantí to Tres de Junio (on Hwy 2), Prov.  
Cartago, Costa Rica

31 May T-236. *Mesaspis monticola*

Powerline tower 58, 2505 m elev, on trail from Refugio Nacional  
Tapantí to Tres de Junio (on Hwy 2), Prov. Cartago, Costa Rica

31 May T-237. *Bolitoglossa subpalmata*  
238. "

Powerline tower 57, 2520 m elev, on trail from Refugio Nacional  
Tapantí to Tres de Junio (on Hwy 2), Prov. Cartago, Costa Rica

31 May T-239. *Bolitoglossa subpalmata*  
240. "

241. "

242. "

243. "

244. "

245. "

246. "

247. "

248. "

249. "

250. "

251. *Eleutherodactylus* sp.





DA Good  
1986

## Catalogue

31 May Powerline tower 51, 2540m elev, on trail from Refugio Nacional Tapantí to Tres de Junio (on Hwy 2), Prov. Cartago, Costa Rica  
T-252. *Bolitoglossa subpalmata*

31 May Betw. powerline towers 48+49, 2488m elev., on trail from Refugio Nacional Tapantí ~~to~~ to Tres de Junio (on Hwy 2), Prov. Cartago, Costa Rica  
T-253. *Bolitoglossa subpalmata*

31 May Powerline tower 48, 2475m elev, on trail from Refugio Nacional Tapantí to Tres de Junio (on Hwy 2), Prov. Cartago, Costa Rica  
T-254. *Bolitoglossa cervensis*  
255. *Eleutherodactylus* sp.

31 May Powerline tower 47, 2485m elev, on trail from Refugio Nacional Tapantí to Tres de Junio (on Hwy 2), Prov. Cartago, Costa Rica  
T-256. *Norops* sp.  
258. *Bolitoglossa subpalmata*

31 May Powerline tower 46, 2412m elev, on trail from Refugio Nacional Tapantí to Tres de Junio (on Hwy 2), Prov. Cartago, Costa Rica  
T-257. *Eleutherodactylus* sp.

31 May Trail from Refugio Nacional Tapantí to Tres de Junio (on Hwy 2), 1708m elev, Prov. Cartago, Costa Rica  
T-260. unidentified tadpoles *Rana vibicaria*





DA Good  
1986

## Catalogue

Tres de Junio (Río Villegas) trailhead, 1605 m elev, Refugio Nacional Tapantí, Prov. Cartago, Costa Rica

31 May T-259. *Geophis hoffmanni*

ICE trail 29, various elevations, 5.8 km S Tapantí bridge over Río Grande de Orozi on main rd through Refugio Nacional Tapantí, Prov. Cartago, Costa Rica

30 May T-261. *Rhadinaea pulverientris*, ca 1350 m

262. *Eleutherodactylus caryophyllaceus*, ca. 1425 m.

263. *Eleutherodactylus diastema*, ca. 1425 m.

264. *Norops capito*, ca. 1410 m.

265. eggs, ca. 1390 m.

266. unidentified colubrid ca 1390 m.

Arboles caídos trail, various elevations, 4.1 km S Tapantí bridge over Río Grande de Orozi on main Rd. through Refugio Nacional Tapantí, Prov. Cartago, Costa Rica

30 May T-267. *Eleutherodactylus bransfordi*, 1345 m

268. *Eleutherodactylus* sp., 1510 m

Oropendola trail, ca. 1270 m elev, 4.1 km S Tapantí bridge over Río Grande de Orozi on main rd through Refugio Nacional Tapantí, Prov. Cartago, Costa Rica

30 May T-269. *Norops humilis*

270. "





DA. Good  
1986

# Catalogue

0.3 km E turnoff to San Gerardo on Hwy 2, Prov.  
Cartago, Costa Rica

31 May

T- 271. *Sceloporus malacothrix*

272. *Bolitoglossa subpalmata*

273.

"

eggs of T-272

274

"

275

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eggs of T-274

276.

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277.

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295. *Bolitoglossa cenoensis*

296.

"





D.A. Good  
1987

## Catalogue

USFS 1286, 0.9 mi N jct. USFS 12, near Lewis Cr., Tillamook Co., Oregon T6S, R 10W, SE  $\frac{1}{4}$  sec. 4 (Southern)

9 February 1955-1956. Rhyacotriton olympicus, coll. D.A. Good, D.C. Cannatella

2.9 mi SW jct. Hwy. 130 + USFS 1633 on Squaw Cr. Rd., Tillamook Co., Oregon T. 5S, R. 10W, SW  $\frac{1}{4}$  sec 28

9 February 1957. Rhyacotriton olympicus, coll. D.A. Good, D.C. Cannatella

4.0 mi N Grande Ronde Agency on Agency Cr. Access Rd., Yamhill Co., Oregon T. 5S, R. 8W, SE  $\frac{1}{4}$  sec 22

8 February 1958-1967. Rhyacotriton olympicus, coll. D.A. Good, D.C. Cannatella

5.2 mi N Grande Ronde Agency on Agency Cr. Access Rd., Yamhill Co., Oregon T. 5S R. 8W, SW Sec 15

8 February 1968-1975. Rhyacotriton olympicus, coll. D.A. Good, D.C. Cannatella

5.7 mi N Grande Ronde Agency on Agency Cr. Access Rd., Yamhill Co., Oregon T. 5S, R. 8W, SE  $\frac{1}{4}$  sec 16.

8 February 1976-1987. Rhyacotriton olympicus, coll. D.A. Good, D.C. Cannatella

7.3 mi N Grande Ronde Agency on Agency Cr. Access Rd., Yamhill Co., Oregon T. 5S, R. 8W, SE  $\frac{1}{4}$  sec ~~8~~ <sup>8</sup> (N.W.)

8 February 1988-1994 Rhyacotriton olympicus, coll. D.A. Good, D.C. Cannatella

1.7 mi SW jct. Hwy. 130 + USFS 1633 on Squaw Cr. Rd., Tillamook Co., Oregon T. 5S, R. 10W, NE  $\frac{1}{4}$  sec 28 (South)

9 February 1995-1996 Rhyacotriton olympicus, coll. D.A. Good, D.C. Cannatella





D.A. Good  
1987

# Catalogue

4.5 mi SE Jct. Hwy. 130 + USFS 1633 on USFS 1633,  
Tillamook Co., Oregon T. 6 S, R. 10 W, NW  $\frac{1}{4}$  Sec 2 (South)

9 February 1997-2007. Rhyacotriton olympicus, coll. D.A. Good, D.C. Cannatella

USFS 1888-112, 2.1 mi SW Jct. USFS 1861 + 1888, Lincoln  
Co., Oregon T. 6 S, R. 10 W, NW  $\frac{1}{4}$  Sec. 27 (South)

10 February 2008-2012 Rhyacotriton olympicus, coll. D.A. Good, D.C. Cannatella

South  
0.5 mi W Hwy. 12 on unmarked Service rd. just S Neskowin  
Camp, Tillamook Co., Oregon T. 6 S, R. 10 W, NE  $\frac{1}{4}$  Sec 16

10 February 2013-2024 Rhyacotriton olympicus, coll. D.A. Good, D.C. Cannatella

Hwy. 12, 2.9 mi NE Jct. Hwy. 18, along Deer Cr., Lincoln  
Co., Oregon T. 6 S, R. 10 W, NE  $\frac{1}{4}$  Sec. 21 (South)

10 February 2025-2026 Rhyacotriton olympicus, coll. D.A. Good, D.C. Cannatella

USFS 1280, 0.9 mi N Jct. USFS 12, near Lewis Cr., Tillamook  
Co., Oregon, T. 6 S, R. 10 W, SE  $\frac{1}{4}$  Sec. 4 (South)

11 February 2027-2028 Rhyacotriton olympicus, coll. D.A. Good, D.C. Cannatella

3.8

3.8 mi E Hwy 101 on Little Nestucca R. Rd., Tillamook Co.,  
Oregon (South)

11 February 2029-2059 Rhyacotriton olympicus, coll. D.A. Good, D.C. Cannatella

Hwy 130, 3.9 mi W Jct. Hwy 22, along Little Nestucca R.,  
Tillamook Co., Oregon T. 5 S, R. 10 W, SE  $\frac{1}{4}$  Sec 23 (South)

11 February 2060-~~2069~~. Rhyacotriton olympicus, coll. D.A. Good, D.C. Cannatella  
2069





D.A. Good  
1987

## Catalogue

Hwy 307 along Siletz R., 4.9 mi N Jct. Hwy 410, Lincoln Co.,  
Oregon T. 9 S, R. 9 W, Sec. 16 (South)

11 February 2070-2071 Rhyacionia olympicus, coll. D.A. Good, D.C. Cammiller

Hwy 307 along Siletz R., 5.1 mi N jct. Hwy 410, Lincoln Co.,  
Oregon T. 9 S, R. 9 W, Sec 16 (South)

11 February 2072-2073 Rhyacionia olympicus, coll. D.A. Good, D.C. Cammiller

Hwy 307 along Siletz R., 6.4 mi N jct. Hwy 410, Lincoln Co.,  
Oregon T. 9 S, R. 9 W, Sec 15 (South)

11 February 2074-2080 Rhyacionia olympicus, coll. D.A. Good, D.C. Cammiller

Hwy 307 along Siletz R., 7.3 mi N jct Hwy 410, Lincoln Co.,  
Oregon T. 9 S, R. 9 W, Section 15 (South)

11 February 2081-2082 Rhyacionia olympicus, coll. D.A. Good, D.C. Cammiller

Hwy 307 along Siletz R., 7.4 mi N jct. Hwy 410, Lincoln Co.,  
Oregon T 9 S, R 9 W, Sec 10 (South)

11 February 2083-2092 Rhyacionia olympicus, coll. D.A. Good, D.C. Cammiller





D.A. Good  
1987

## Catalogue

Usal Rd. [Co. Rd. 431], 3.0 mi N jct. Hwy 1, Mendocino Co., Calif

13 February 2093-2096. Ensatina eschscholtzii, coll. D.A. Good, D.C. Cannatella

ca. 4 mi [air] SE Crescent City, Del Norte Co., Calif

12 February 2097. Ensatina eschscholtzii, coll. D.A. Good, D.C. Cannatella

11.8 mi NE jct Hwy 101 at Brookings on Carpenterville Rd., Curry Co., Oregon

12 February 2098. Ensatina eschscholtzii, coll. D.A. Good, D.C. Cannatella

Usal Rd. [Co. Rd. 431], 3.0 mi N jct. Hwy. 1, Mendocino Co., Calif

13 February 2099-2103 Batrachoseps attenuatus, coll. D.A. Good, D.C. Cannatella

Pistol R. Rd. (Co. Rd. 690), 4.4 mi E Hwy 101, Curry Co., Oregon

12 February 2104-2105 Ensatina eschscholtzii, coll. D.A. Good, D.C. Cannatella  
2106-2107 Rana boylei, " "

Selticos Lake Trailhead, on Hwy 101, Lane Co., Oregon

12 February 2108 Taricha granulosa, coll. D.A. Good, D.C. Cannatella

Pistol R. Rd. (Co. Rd. 690), 4.4 mi E Hwy. 101, Curry Co., Oregon

12 February 2109 Taricha granulosa, coll. D.A. Good, D.C. Cannatella

Philo, Mendocino Co., Calif

13 February 2110 Desmophis punctatus, coll. D.A. Good, D.C. Cannatella





D.A. Good  
1987

Catalogue

ca 2 mi W Hwy 25 on La Clavier Rd. (rd. to ~~La~~ Gonzales), San Benito Co, Calif

28 March

2111. *Sceloporus occidentalis*, coll. D.A. Good, D.B. Wake

San Benito Co., Calif

28 March

2112. *Sceloporus occidentalis*, coll. D.A. Good, D.B. Wake

2113. " "

28 March

2114. *Eumeces gilberti*, coll. D.A. Good, D.B. Wake

9 April

1.1 mi S Mountain Millhouse on Hwy. 29, Napa Co., Calif.

2115-2117. *Dicamptodon ensatus* coll. D.A. Good, K. Nishikawa

9 April

0.9 mi W Hwy. 175 on Harrington Flat Rd., Lake Co., Calif.

2118-2122. *Dicamptodon ensatus* coll. D.A. Good, K. Nishikawa

12 April

2.9 mi E Hwy 101 on Little Nestucca R. Rd., Tillamook Co., Oregon

[T. 5 S, R. 10 W, SW  $\frac{1}{4}$  sec. 15] (Northern)

2123-2134. *Rhyacotriton olympicus*

12 April

3.8 mi E Hwy. 101 on Little Nestucca R. Rd., Tillamook Co.,

Oregon [T. 5 S, R. 10 W, SW  $\frac{1}{4}$  sec 23] (Southern)

2135-2145 *Rhyacotriton olympicus*

12 April

ca.  $\frac{1}{4}$  mi S Little Nestucca R. Rd. along Austin Cr., Tillamook Co.,

Oregon [T. 5 S, R. 10 W, SE  $\frac{1}{4}$  sec. 22] (Southern)

2146-2155. *Rhyacotriton olympicus*





D.A. Good  
1987

## Catalogue

ca.  $\frac{1}{2}$  mi S Little Nestucca R. Rd. along Austin Cr., Tillamook Co., Oregon [T. 5 S, R. 10 W, SE  $\frac{1}{4}$  sec. 22] (Southern)

12 April 2156-2165. Rhyacotriton olympicus

Corner of Haste + Telegraph, Berkeley, Alameda Co., Calif  
January 2166 Aneides lugubris, coll. L.P. Lyman

0.4 mi S Little Nestucca R. Rd. on Squaw Cr. Rd. (USFS 1633), Tillamook Co., Oregon [T. 5 S, R. 10 W, NW  $\frac{1}{4}$  sec. 22] (Southern)

12 April 2167-2177. Rhyacotriton olympicus

ca.  $\frac{1}{2}$  mi S, 1st W. Fork Austin Cr. along E Fork, Tillamook Co., Oregon [T. 5 S, R. 10 W, NW  $\frac{1}{4}$  sec. 28] (Southern)

12 April 2178-2180. Rhyacotriton olympicus

ca 100 yds. W Little Nestucca R. Rd. along Kellow Cr., Tillamook Co., Oregon [T. 5 S, R. 10 W, SW  $\frac{1}{4}$  sec 15] (Northern)

13 April 2181-2185. Rhyacotriton olympicus

0.75 mi S Little Nestucca R. Rd on USFS 1633 (Squaw Cr. Rd.), Tillamook Co., Oregon [T. 5 S, R. 10 W, SW  $\frac{1}{4}$  sec 22] (Southern)

13 April 2186-2196. Rhyacotriton olympicus

0.3 mi S Little Nestucca R. Rd. on Squaw Cr. Rd. (USFS 1633), then 0.2 mi W on USFS rd., Tillamook Co., Oregon [T. 5 S, R. 10 W, NW  $\frac{1}{4}$  sec 22] (Southern)

13 April 2197. Rhyacotriton olympicus.





D.A. Good  
1987

## Catalogue

0.3 mi S Little Nestucca R. Rd. on Squaw Cr. Rd. (USFS 1633),  
then ~~0.2~~<sup>1.0</sup> mi W on USFS Rd., Tillamook Co., Oregon  
[T. 5S, R. 10W, NE  $\frac{1}{4}$  sec 21] (Southern)

13 April 2198-2202. Rhyacotriton dympicus

ca.  $\frac{1}{2}$  mi NE Little Nestucca R. Rd. along Bear Cr. (at USFS  
boundary), Tillamook Co., Oregon [T. 5S, R. 10W, SE  $\frac{1}{4}$  sec  
23] (Northern)

13 April 2203-2212. Rhyacotriton dympicus

ca. 1 mi NE Little Nestucca R. Rd. along Bear Cr.,  
Tillamook Co., Oregon [T. 5S, R. 10W, NW  $\frac{1}{4}$  sec 24]  
(Northern)

13 April 2213-2220. Rhyacotriton dympicus

ca. 0.2 mi W jct Little Nestucca R. Rd. + USFS 1650, <sup>26</sup>  
Tillamook Co., Oregon [T. 5S, R. 10W, NE  $\frac{1}{4}$  sec. 28]

13 April 2221-2230 Rhyacotriton dympicus (Southern)

3.8 mi N Little Nestucca R. Rd. on USFS ~~15~~. 15, Tillamook Co.,  
Oregon [T. 5S, R. 9W, NE  $\frac{1}{4}$  sec 18] (Northern)

13 April 2231-2237 Rhyacotriton dympicus

4.1 mi S USFS 15 on USFS 1588 (0.2 mi from end  
of rd), Tillamook Co., Oregon [T. 5S, R. ~~9~~<sup>10</sup>W, SW  $\frac{1}{4}$  sec 14]

13 April 2238-2242 Rhyacotriton dympicus (Northern)





D.A. Good  
1987

## Catalogue

4.3 mi E Hwy 101 on Little Nostucca R. Rd., Tillamook Co.,  
Oregon [T. 55, R. 10W, SW  $\frac{1}{4}$  sec 23] (Northern)

13 April

2243-2250 Rhyacionia olympicus

Manchester Beach, Mendocino Co., Calif

15 April

2251-2255 Batrachoseps attenuatus

unnamed tributary on S side Big Sulphur Cr., 2 mi E bridge over Big Sulphur Cr on  
Preston - Geysers Rd., Sonoma Co., Calif.

26 July

2256-2258 Dicamptodon ensatus coll. D.A. Good, W.E. Raine

ca. 1 mi E North Branch Rd. on Kelly Rd., Sonoma Co., Calif. <sup>at bridge over Flat Ridge Cr.</sup>  
[T. 13N, R. 13W, NE  $\frac{1}{4}$  sec. 35]

26 July

2259-2264 Dicamptodon ensatus coll. D.A. Good, W.E. Raine





D.A. Good  
1987

# Catalogue

Km. 273 on Costa Rica Hwy. 1, ca. 1 km N entrance

Santa Rosa National Park, Prov. Guanacaste, Costa Rica

5 August

3000. Bufo luetkeni

coll. D.A.G., D.C. Cannatella, D.B. Wake

pres. 6 August

3001. " "

"

pres. 10 August

(P)

ca. 0.2 km W Costa Rica Hwy. 1 on first paved rd. N (10.0  
km N) entrance Santa Rosa National Park along Hwy. 1,  
Prov. Guanacaste, Costa Rica

5 August

3002. Bufo luetkeni

coll. D.A.G., D.C. Cannatella, D.B. Wake

"

pres. 6 August

3003. Rana "pupiens"

3004. Smilisca baudini

"

"

3005. "

"

"

3006. Phyllorhynchus pustulosus

"

pres. 10 August

(P)

3007. "

"

"

3008. "

"

"

3009. "

"

"

3010. "

"

"

3011. Oedipoda staufferi

"

pres. 5 August

3012. "

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3013. "

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3014. "

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3015. "

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3016. "

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3017. "

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3018. "

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3019. "

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3020. "

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3021. "

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D.A. Good  
1987

# Catalogue

ca. 02 km W Costa Rica Hwy 1 on first paved rd. N (10.0 km N)  
entrance Santa Rosa National Park along Hwy 1, Prov. Guanacaste,  
Costa Rica

5 August

3022. Orobrycon Staufferi, coll. DAG, D.C. Carmatella, D.B. Wake <sup>pres. 5 August</sup>

3023. " "

3024. " "

3025. " "

3026. " "

3027. " "

3028. Hyla microcephala

3029. " "

3030. " "

3031. " "

3032. " "

3033. " "

3034. " "

3035. " "

3036. " "

3037. " "

3038. " "

3039. " "

3040. " "

3041. " "

3042. " "

3043. " "

3044. " "

3045. " "

3046. " "

<sup>pres. 10 August</sup>  
(P)





D. A. Good  
1987

## Catalogue

ca. 0.2 km W Costa Rica Hwy 1 on first paved rd. N (10.0 km N)  
entrance Santa Rosa National Park along Hwy 1, Prov.

Guanacaste, Costa Rica

5 August

3047. *Hyla microcephala*, coll. DAG, D.C. Cannatella, D.B. Wake  
3048. " " " "

pres. 10 Aug.

Trail from Finca Harold to Casa Mingo, Volcán Cacao, Prov.

Guanacaste, Costa Rica

6 August

3049. ~~Tantilla~~ *Ninia sebae*, 855 m elev., coll. DAG, DCC, DBW  
3050. " " 890 m elev. " (P)  
3051. *Scolecophidia atrocinctus*, " " " (P)

pres 10 August

Trail from Casa Mingo to Casa Frank, Volcán Cacao, Prov.

Guanacaste, Costa Rica 1175 m elev

6 August

3052. *Eleutherodactylus biporcatus*, coll. DAG, DCC, DBW (P)

pres 10 August

Trail from Casa Mingo to Casa Frank, Volcán Cacao, Prov.

Guanacaste, Costa Rica, 1275 m elev.

6 August

3053 *Bothrops lateralis*, coll. DAG, DCC, DBW (P)

pres. 7 August 1987

Trail from Finca Harold to Casa Mingo (first stream below Casa  
Mingo), Volcán Cacao, 1075 m elev. Guanacaste

7 August

3054. *Hyla rotisculis*

Tadpoles, coll DAG, DBW, DCC

pres. 8 August

2.4 km <sup>WSW</sup> ~~to~~ Posito Junction on Hwy 120, Prov. Alajuela, Costa  
Rica, 2100 m elev.

8 August

3055. *Oedipina uniformis*, coll. DAG, DCC, DBW (P)

pres. 10 August

3056. *Anolis tropidolepis* (P)





D.A. Good  
1987

# Catalogue

4.9 km W Posito Junction on Hwy 120, Prov. Alajuela, Costa Rica, 2280 m elev.

8 August 3057. Sceloporus malachiticus, coll. DAG, DCC, DBW <sup>pres 10 August</sup> (P)

0.6 km W Vara Blanca Junction on Hwy 120, Prov. Alajuela/Heredia, Costa Rica, 1925 m elev.

8 August 3058. Oedipina uniformis, coll. DAG, DCC, DBW <sup>pres 10 August</sup>

3059. Oedipina "poelzi" " (P) <sup>pres. 9 August</sup>

3060. Anolis tropidolepis " <sup>pres 10 August</sup>

3061. Mesaspis monticola " "

Trail from Finca Harold to Casa Mengo, first stream below Casa Mengo, Volcán Cacao, Prov. Guanacaste, Costa Rica, <sup>1000</sup>1075 m elev.

29 April 3062. Bolitoglossa robusta, coll. D.H. Janzen, A. Espinoza, R. ~~ESP~~ Espinoza

Isla San José, Islas Murielagos, Prov. Guanacaste, Costa Rica

4 August 3063. Ctenosaura similis, coll. D.H. Janzen, W. Hallwachs

3064. Cnemidophorus leppii "

3065. Phyllodactylus tuberculatus "

Junction of trail from Casa Mengo to Casa Frank + trail to top of Volcán Cacao, Prov. Guanacaste, Costa Rica, 1300 m elev.

late July 3066. Rana warszewitschii, coll. D. Lawson

Pond along trail from Finca Harold to Casa Mengo, Volcán Cacao, Prov. Guanacaste, Costa Rica ~~1300~~ 980 m elev.

late July 3067. Rana "pipiens", coll. D. Lawson

3068. " "





2. A. Good  
1987

## Catalogue

Volcán Cacao, Prov. Guanacaste, Costa Rica, 1620m elev.

3 August

3069. Eleutherodactylus bransfordii, coll. D. Lawson

(P)

pres 10 August

3070.

"

"

"

(P)

"

Trail from Casa Mingo to Casa Frank, Quebrada Florita, Volcán Cacao, Prov. Guanacaste, Costa Rica, 1100m elev.

2 August

3071. Eleutherodactylus rugulosus, coll. D. Lawson

3072.

"

"

"

(P)

3073. Eleutherodactylus "

(P)

Volcán Cacao, Prov. Guanacaste, Costa Rica, 1600m elev.

3 August

3074. Anolis tropidolepis, coll. D. Lawson

pres 10 August

(P)

3075.

"

"

"

, eaten in bag by DAG 3074

Casa Mingo, Volcán Cacao, Prov. Guanacaste, Costa Rica, 1175m elev.

17 July #

3076. Eleutherodactylus biporcatus, coll. D. H. Janzen, W. Hallwachs

pres. 9 August

Río San Joseito, Volcán Cacao, Prov. Guanacaste, Costa Rica,

900-1000m elev.

1 August

3077. Rana warshewitschii, coll. D. Lawson

pres 10 August

(P)

3078. Eleutherodactylus rugulosus

"

"

3079.

"

"

"

"

Isla San José, Islas Marcellagos, Prov. Guanacaste, Costa Rica

4 August

3080. lot of ca. 7 Ctenosaura similis, coll. D. H. Janzen, W. Hallwachs.

<sup>skeletons</sup>





J. A. Good  
1987

# Catalogue

22.7

~~25.7~~ km SE El Empalme Jct. on Hwy 2, Prov. Cartago, Costa Rica, ~~2375~~ 2920 m elev.

9 August

3081. *Mesaspis monticola*, coll DAG, D.C. Cammilleri, D.B. Wake <sup>pres 10 August</sup>  
" " " "

3082

3083. *Bolitoglossa subpalmata*, ♀ with eggs DAG 3084, coll DAG, DCC, DBW

3084. " " eggs with ♀ DAG 3083, " "

3085. " " ♀ with eggs DAG 3086, " (P)

3086. " " eggs with ♀ DAG 3087, " (P)

3087. " " coll. DAG, DCC, DBW

3088. " " <sup>pres 10 Aug.</sup>

3089. " " "

3090. " " "

3091. " " "

3092. " " "

3093. " " "

3094. " " "

3095. " " "

3096. " " "

3097. " " "

3098. " " "

3099. " " "

3100. " " "

3101. " " "

3102. " " "

3103. " " "

3104. " " "

3105. " " "

3106. " " "





22.7 km SE El Empalme Jct. on Hwy. 2, Prov. Cartago, Costa Rica,  
2420 m elev.

9 August

3107. Bolitoglossa subpalmata, coll. DAG, DCC, DBW <sup>Pres 10 August</sup>

3108. " " " <sup>Pres 13 August</sup>

3109. " " "

3110. " " "

3111. " " "

3112. " " "

3113. " " "

3114. " " "

3115. " " "

3116. " " "

3117. " " "

3118. " " "

3119. " " "

3120. " " "

3121. " " "

3122. " " "

3123. " " "

3124. " " "

3125. " " "

3126. " " "

3127. " " "

3128. " " "

3129. " " "

3130. " " "

3131. " " "

3132. " " "

3133. " " "



DA Good  
1987

## Catalogue

22.7 km SE El Empalme Jct. on Hwy 2, Prov. Cartago, Costa Rica,  
2920m elev.

9 August	3134.	<i>Bolitoglossa subpalmata</i>	coll. DAG, DCC, DBW
	3135.	"	"
	3136.	"	"
	3137.	"	"
	3138.	"	"
	3139.	"	"
	3140.	"	"
	3141.	"	"
	3142.	"	"
	3143.	"	"
	3144.	"	"
	3145.	"	"
	3146.	"	"

20.7 km SE El Empalme Jct. on Hwy 2, Prov. <sup>Cartago</sup>~~San José~~, Costa  
Rica, 2810m elev.

9 August	3147.	<i>Mesaspis monticola</i>	coll. DAG, DCC, DBW	<sup>Pres 10 August</sup>	(P)
	3148.	"	"	"	

19.6 km SE El Empalme Jct. on Hwy 2, Prov. San José, Costa  
Rica 2740m elev.

9 August	3149.	<i>Mesaspis monticola</i>	coll. DAG, DCC, DBW	<sup>Pres 10 August</sup>	
	3150.	<i>Bolitoglossa cerroensis</i>	"	"	(P)
	3151.	"	"	"	
	3152.	"	"	"	(P)





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## Catalogue

19.6 km SE El Empalme Jct. on Hwy 2, Prov. San José, Costa Rica,  
2740m elev.

- 9 August 3153. *Bolitoglossa subpalmata*, coll DAG, DCC, DBW <sup>pres 10 August</sup>  
3154. " " "  
3155. " " "  
3156. " " "  
3157. " " "  
3158. " " "  
3159. " " " (P)  
3160. *Bolitoglossa nigrescens?* " "  
3161. " " " (P)

Trail from Casa Mingo to Casa Frank, Volcán Cacao,  
Prov. Guanacaste, Costa Rica, 1000m elev.

- 4 August 3162. *Eleutherodactylus rugulosus*, coll. D. Lawson <sup>pres. 9 August</sup>

11.2 km S Tapantí bridge over Río Grande de Oro on main rd.  
through Refugio Nacional Tapantí, Prov. Cartago, Costa Rica,  
1480 m elev.

- 10 August 3163. clutch of <sup>*Rhadinia pulveriventris*</sup> snake eggs, coll. DCC, DBW  
3164. " "  
3165. " "

0.6 km up rd on W side Río Grande de Oro from Dos Amigos  
bridge over Río Grande, <sup>Refugio Nacional Tapantí</sup> Prov. Cartago, Costa Rica, 1540 m elev.

- 11 August 3166. *Bolitoglossa diminuta*, ♀ with eggs DAG 3167, coll DAG, DCC, DBW <sup>pres 12 August</sup> (P)  
3167. " " <sup>3166</sup>, eggs with ♀ DAG ~~3168~~, " (P)  
3168. *Nototriton picadori*, coll. DAG, DCC, DBW <sup>pres. 12 August</sup> (P)





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## Catalogue

0.6 km up rd. on W side Río Grande de Orizé from Dos Amigos  
bridge over Río Grande, <sup>Refugio Nacional Tapantí</sup> Prov. Cartago, Costa Rica, 1540 m elev.

11 August

3169. *Nototriton priadori*, coll DAG, DCC, DBW

pres. 12 August

(P)

3170.

"

"

"

3171.

"

"

"

3172.

"

"

"

3173.

"

"

"

3174. salamander eggs

"

pres. ~12 Aug.

(P)

3175. frog eggs

"

(P)

1.3 km <sup>(rd.)</sup> SE Estrella on rd toward Vara de Roble, Prov. Cartago,  
Costa Rica, 1630 m elev.

12 August

3176. <sup>*Hyla pseudopuma*</sup> tadpoles, coll. DAG, DCC, DBW

1.7 km <sup>(rd.)</sup> SE Estrella on rd. toward Vara de Roble, Prov. Cartago, Costa  
Rica, 1660 m elev.

12 August

3177. *Eleutherodactylus diastema*, coll DAG, DCC, DBW

pres 13 August

(P)

6.0 km <sup>(rd.)</sup> S Estrella on rd. toward Vara de Roble, Prov. Cartago,  
Costa Rica, 1940 m elev.

12 August

3178. *Anolis tropidolepis* ♂, coll DAG, DCC, DBW

pres 13 August

(P)

3179.

"

♀

"

"

0.7 km (rd) SW Casa Mata (jet. Hwy 2), Prov. San José, Costa Rica

12 August

3180. *Geophis brachycephalus* (?), ~~coll~~ 1900 m elev., coll DAG, DCC, DBW

pres 13 Aug

(P)

3181. *Anolis intermedius*, 1820 m elev.,

"

"

(P)

3182. *Hyla pseudopuma*,

"

"

"

"

(P)

3183. *Hyla zeteki*,

"

"

"

"

(P)





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## Catalogue

Pantanoso Trail, Monteverde Reserve, Prov. Alajuela, Puntarenas,  
Costa Rica, 1590 m elev.

10 July 3184. Oedipina uniformis, coll. M. Fogden pres 14 August

Pension Quetzal, Monteverde, Prov. Puntarenas, Costa Rica,  
1400 m elev

13 August 3185. Anolis intermedius, coll. DAG, DBW, DCC pres. August 14 (P)  
3186. Eleutherodactylus crassidigitus " " (P)

Peñas Blancas Trail below <sup>(E)</sup> ~~Montana~~ continental divide, Prov.  
Alajuela, Costa Rica 1530-1540 m elev.

14 August 3187. Oedipina poelzi, coll. DAG, DCC, DBW, W. Guindon pres August 14  
3188. " " " (P)

3189. Oedipina uniformis " "

3190. " " "

3191. " " "

3192. " " pres. August 16

3193. Nototriton puadori " "

3194. " " "

3195. Eleutherodactylus rugulosus " pres August 14 (P)

3196. Tantilla schultzei " pres 16 August (P)

Trimotopon gracile

Pantanoso trail, Monteverde Reserve, Prov. <sup>Puntarenas</sup> ~~Alajuela~~, Costa Rica,  
1590 m elev.

14 August 3197. Nototriton puadori, coll. DAG, DBW, DCC, W. Guindon pres. 14 August  
3198. Eleutherodactylus podiceps " "

3199. Eleutherodactylus ~~sp.~~ rugulosus " (P)





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# Catalogue

Carril Bosque Eterno, N of Pantanosa Trail, Monteverde Reserve,  
Prov. ~~Puntarenas~~ <sup>Alajuela</sup> Costa Rica, 1595m elev.

14 August

3200. Oedipina poelzi, coll DAG, DCC, DBW, W. Guindon <sup>pres. August 14</sup>

3201. Eleutherodactylus poduferus " "

3202. " " " "

3203. " " " "

3204. " " " "

3205. " " " "

3206. Eleutherodactylus bransfordi, " (P)

Carril Bosque Eterno at jct. Pantanosa Trail, Monteverde  
Reserve, Prov. ~~Puntarenas~~ <sup>Alajuela</sup> Costa Rica, 1600m elev.

14 August

3207. Nototriton puiadori, coll. DAG, DCC, DBW, W. Guindon <sup>pres. 14 August</sup>

Chomogo Trail, Monteverde Reserve, Prov. Puntarenas, Costa  
Rica, 1630m elev.

14 August

3208. Bolitoglossa robusta, coll DAG, DBW, DCC, W. Guindon <sup>pres. 14 August</sup> (P)

3209. Eleutherodactylus ~~angulatus~~ <sup>cudguero</sup>, " (P)

Carril Bosque Eterno at jct. Pantanosa Trail, Monteverde Reserve,  
Prov. ~~Puntarenas~~ <sup>Alajuela</sup> Costa Rica, 1600m elev.

14 August

3210. ~~Frog~~ <sup>Salamanders</sup> eggs, coll DAG, DCC, DBW, W. Guindon <sup>pres. 14 August</sup>

Chomogo Trail, Monteverde Reserve, Prov. Puntarenas, Costa  
Rica, 1680m elev.

14 August

3211. Eleutherodactylus poduferus, coll DAG, DCC, DBW, W. Guindon <sup>pres. 14 August</sup>

3212. " " "





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# Catalogue

Cliff edge trail, Monteverde Reserve, Prov. Puntarenas, Costa Rica

15 August

3213. Eleutherodactylus <sup>crassidigitus</sup>, 1480 m elev., coll. DAG, DCC, DBW, W. Guend <sup>pres 16 August</sup> (P)

~~3214. " " " "~~

3215. Hyla unilaris, 1470 m elev.

3216. Bolitoglossa robusta, 1460 m elev. (P)

Ventana, Monteverde Reserve, Prov. Alajuela, Costa Rica, 1560 m elev.

15 August

3217. Oedipina proelji, coll. DAG, DBW, DCC <sup>pres 16 August</sup>

3218. " " " "

3219. " " " "

3220. " " " "

Trail from Peñas Blancas Rd. to Ventana, Monteverde Reserve, Prov.

Alajuela, Costa Rica, 1560 m elev.

15 August

3221. Oedipina uniformis, coll. DAG, DCC, DBW <sup>pres 16 August</sup>

Ventana, Monteverde Reserve, Prov. Alajuela, Costa Rica, 1560 m elev.

15 August

3222. Eleutherodactylus diastema?, coll. DAG, DCC, DBW <sup>pres 16 August</sup> (P)

3223. " rugulosus " "

3224. " " " "

Peñas Blancas ~~at~~ trail below (E) continental divide, Prov. Alajuela, Costa Rica, 1540 m elev.

15 August

3225. Nototriton picadori, coll. DAG, DCC, DBW. <sup>pres 16 August</sup> (P)

3226. Bolitoglossa robusta " " (P)





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## Catalogue

Rio Trail, Monteverde Reserve, Prov. Puntarenas, Costa Rica,  
1510-1555 m elev.

15 August

- ~~3226~~. 3227. *Bolitoglossa robusta*<sup>1510 m elev.</sup>, coll. DAG, DCC, DBW pres. 16 August  
3228. *Phyllomedusa lemniscata*, 1525 m elev. " (P)  
3229. *Hyla viridularis* " (P)  
3230. " " "  
3231. " " "  
3232. " " "  
3233. " " " (P)  
3234. " " "  
3235. *Hyla pseudopuma* " (P)  
3236. " " "  
3237. *Hyla macrodon*, 1510 m elev. " (P)  
3238. *Eleutherodactylus cuagvero* " (P)  
3239. " *melanostictus* " (P)  
3240. " " " (P)  
3241. " " "

La Argentina de Grecia, Prov. Alajuela, Costa Rica

27 July

3242. *Coluber mentovarius*, from Pardo Institute through M. Fogden pres. 18 August (P)

Trail from Casa Mergo to Casa Frank, just S of trail to top of Volcán Cacao, Prov. Guanacaste, Costa Rica, 1250 m elev.

18 August

3243. *Eleutherodactylus*<sup>crassidigitus</sup> ~~Amphisp~~, coll. DAG, DCC pres. 18 August





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## Catalogue

Trail from Finca Harold to Casa Mengo (first stream below Casa Mengo), Volcán Cacao, Prov. Guanacaste, Costa Rica, 1000m elev

18 August

3244. Hyla rufoculata, coll. DAG, DCC

pres. 19 August

(P)

3245.

3246.

3247.

3248.

3249.

3250.

3251.

3252.

3253.

3254

3255

3256. Hyla rufoculata<sup>is</sup> tadpoles

pres. 25 August

Trail from Finca Harold to Casa Mengo, just inside woods below Casa Mengo, Volcán Cacao, Prov. Guanacaste, Costa Rica, 1080m elev.

18 August

3257. Rana warszewitschii, coll. DAG, DCC

pres. 19 August

(P)

Trail to top of Volcán Cacao, Prov. Guanacaste, Costa Rica, 1315m elev.

19 August

3258. Eleutherodactylus<sup>cuagvero</sup> ~~sago~~ coll. DAG, DCC

pres. 19 August

(P)

Trail to top of Volcán Cacao, Prov. Guanacaste, Costa Rica, 1490m elev.

19 August

3259. Nototriton piadori, coll. DAG, DCC

pres. 19 August

(P)

3260.





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# Catalogue

Edge of pasture below (W) Casa Mergo, Volcán Cacao, Prov. Guanacaste,  
Costa Rica, 990 m elev.

20 August 3261. Hyla rufiocularis, coll DAG, DCC pres. 21 August

Pond along trail from Finca Harold to Casa Mergo, Volcán Cacao,  
Prov. Guanacaste, Costa Rica, 980 m elev.

20 August 3262. Bufo marinus, coll DAG, DCC pres. 21 August

3263. Physalaemus pustulosus, " (P)

3264. Rana "pipiens" " " (P)

3265. " " "

3266. " " "

3267. " " "

3268. " " "

3269. " " "

3270. " " "

3271. " " "

Trail from Finca Harold to Casa Mergo, second stream below Casa  
Mergo (S branch Río San Josecito), Volcán Cacao, Prov. Guanacaste,  
Costa Rica, 1000 m elev.

20 August 3272. Hyla rufiocularis, coll. DAG, DCC pres. 21 August

3273. Eleutherodactylus <sup>rugulosus</sup> ~~flavimarginatus~~ " (P)

Pond along trail from Finca Harold to Casa Mergo, Volcán Cacao,  
Prov. Guanacaste, Costa Rica, 980 m elev.

20 August 3274. <sup>Microhylid</sup> tadpoles coll. DAG, DCC

~~Hypo~~ Hypopachus variolosus





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# Catalogue

Casa Mengo, Volcán Cacao, Prov. Guanacaste, Costa Rica, 1100m elev.

19 August 3275. Hyla rufonulis, coll. DAG, DCC pres. 20 August

3276. " "

3277. " "

3278. " "

Trail to top of Volcán Cacao, Prov. Guanacaste, Costa Rica, 1420m elev.  
pres. 23 August

22 August 3279. Nototriton picadoi, coll. DAG, DCC

3280. Nototriton <sup>picadoi</sup> ~~regis~~ " (P)

Trail from Casa Mengo to Casa Frank, Volcán Cacao, Prov. Guanacaste, Costa Rica

22 August 3281. Eleutherodactylus diastema, 1250m elev., S of summit, coll. DAG, DCC pres. 23 August

3282. " " " " " (P)

3283. Eleutherodactylus <sup>rugulosus</sup> ~~flavimaculatus~~, 1260m elev., N of summit, " "

Trail from Casa Mengo to Casa Frank, first stream N of summit of trail, Volcán Cacao, Prov. Guanacaste, Costa Rica, 1220m elev.

22 August 3284. Bothriops lateralis, coll. DAG, DCC pres. 23 August (P)

3285. <sup>Hyla rubrooculis</sup> Centrolenella tudpole " "

3286. Eleutherodactylus <sup>rugulosus</sup> ~~flavimaculatus~~ " pres. 23 August

Casa Mengo, Volcán Cacao, Prov. Guanacaste, Costa Rica, 1100m elev.

23 August 3287. Bothriops lateralis, coll. DAG, DCC pres. 23 August (P)

3288. Eleutherodactylus cuagvero "





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## Catalogue

Trail from Casa Mengo to Casa Frank, S of summit of trail, Volcán  
Cacao, Prov. Guanacaste, Costa Rica, 1195 m elev.

24 August 3289. *Rhadeniaca?* *guentheri* coll. DAG, DCC pres. 25 August (P)

Trail to top of Volcán Cacao, Prov. Guanacaste, Costa Rica

24 August 3290. *Nototriton picadori*, 1475 m elev., coll DCC, DAG pres 25 August

3291. " " " "

3292. " " " " (P)

3293. " " " "

3294. " " " "

3295. *Anolis tropidolepis*, 1540 m elev. " "

3296. " " " "

3297. *Eleutherodactylus cuervo*, 1620 m elev. " "

3298. " " " "

3299. " " " " (P)

Trail from Finca Harold to Casa Mengo, just stream below Casa Mengo

25 Aug. Volcán Cacao, Prov. Guanacaste, Costa Rica, 1000 m elev.

3300. *Hyla rufoculis* eggs, laid 25 Aug. by DAG 3254-5.

Trail from Casa Mengo to Casa Frank, first stream N of summit of  
Trail, Volcán Cacao, Prov. Guanacaste, Costa Rica, 1230 m elev.

25 August 3301. *Bothriopsis lateralis*, coll DAG, DCC pres. 26 August

3302. *Hyla rufoculis* tadpoles " "

Summit of trail from Casa Mengo to Casa Frank, Volcán Cacao,  
Prov. Guanacaste, Costa Rica, 1270 m elev.

25 August 3303. *Eleutherodactylus crassidigitus*, coll DAG, DCC pres. 26 August





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## Catalogue

Pond along trail from Finca Harold to Casa <sup>Mengo</sup>~~Frank~~, Volcán Cacao,  
Prov. Guanacaste, Costa Rica, 980 m elev.

25 August

3304. <sup>Hypopachus variolosus larvae</sup>  
~~Microhylid~~ tadpoles, coll DAG, DCC

3305. *Rana pipiens* tadpoles

3306. *Rana pipiens*

3307.

3308.

3309.

3310

3311

3312.

pres 26 August

Trail from ~~the~~ Finca Harold to Casa Mengo, Volcán Cacao, Prov.  
Guanacaste, Costa Rica

25 August

3313. *Hyla rufiventralis*, <sup>1010 m elev</sup> coll DAG, DCC

pres 26 August

3314. *Bothriopsis lateralis*, 1020 m elev.

(P)

Trail from Casa Mengo to Casa Frank, S of summit of trail, Volcán  
Cacao, Prov. Guanacaste, Costa Rica, <sup>1270</sup>~~1250~~ m elev.

26 August

3315. *Bothriopsis lateralis*, coll DAG, DCC

pres. 27 August

Trail from Casa Mengo to Casa Frank, N of summit of trail, Volcán  
Cacao, Prov. Guanacaste, Costa Rica, 1260 m elev.

26 August

3316. *Bothriopsis lateralis*, coll DAG, DCC

pres. 27 August





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## Catalogue

Trail from Casa Mengo to Casa Frank, first stream N of summit of trail,  
Volcán Cacao, Prov. Guanacaste, Costa Rica, 1220 m elev.

26 August 3317. *Eleutherodactylus* <sup>*rugulosus*</sup> ~~*fleischmanni*~~, coll. DAG, DCC pres. 27 August

3318.

3319. *Hyla rufiocularis*

3320.

3321. *Hyla uranochroa*

3322. *Hyla tica*

3323. *Centrolenella fleischmanni*

Trail from Casa Mengo to Casa Frank, S of summit of trail, Volcán  
Cacao, Prov. Guanacaste, Costa Rica, 1230 m elev.

26 August 3324. *Anolis aeneus* coll. DAG, DCC pres. 27 August

27 August

Trail from Finca Harold to Casa Mengo, just inside woods  
below Casa Mengo, Volcán Cacao, Prov. Guanacaste, Costa Rica, 1080 m. elev.

3325. *Rana warszewitschii*, coll. DAG, DCC pres. 28 Aug

Trail from Finca Harold to Casa Mengo (first stream below Casa  
Mengo), Volcán Cacao, Prov. Guanacaste, Costa Rica, 1000 m. elev.

3326. *Hyla rufiocularis* coll. DAG, DCC pres. 28 Aug (tadpoles)

3327. *Eleutherodactylus* <sup>*rugulosus*</sup> ~~*fleischmanni*~~ coll. DAG, DCC pres. 28 Aug

Trail from Finca Harold to Casa Mengo, South Br. Rio San Josecito (Second  
stream below Casa Mengo), Volcán Cacao, Prov. Guanacaste, Costa Rica,  
1000 m. elev.

3328. *Eleutherodactylus* <sup>*rugulosus*</sup> ~~*fleischmanni*~~ coll. DAG, DCC pres. 28 Aug

3329. *Eleutherodactylus* <sup>*ridens*?</sup> ~~*cerasinus*~~ ?



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# Catalogue

Water-pipe trail N of Casa Mengo, Volcán Cacao, Prov. Guanacaste,  
Costa Rica ca. 1150 m elev.

29 August

3330. Bothriopsis lateralis, coll DAG, DCC

pres. 30 August

3331. Eleutherodactylus ridens ??

"

"

(P)

Trail from Casa Mengo to Casa Frank, S of summit of trail, Volcán  
Cacao, Prov. Guanacaste, Costa Rica, 1240 m elev.

30 August

3332. Rhadinaea guentheri, coll DAG, DCC

pres. 1 Sept.

Trail to top of Volcán Cacao Prov. Guanacaste, Costa Rica, 1420 m elev

30 August

3333. Nototriton picadori, coll DAG, DCC

pres. 1 Sept.

3334. Nototriton <sup>picadori</sup> eggs,

"

3335. Eleutherodactylus, cuagvero

"

pres. 1 Sept

(P)

Trail from Casa Mengo to Casa Frank, S of summit of trail, Volcán  
Cacao, Prov. Guanacaste, Costa Rica, 1170 m elev.

31 August

3336. Bothriopsis schlegelii, coll DAG, DCC

pres. 31 August

(P)

Trail from Casa Mengo to Casa Frank, first stream N of summit of  
Trail, Volcán Cacao, Prov. Guanacaste, Costa Rica 1230 m elev.

31 August

3337. Bothriopsis lateralis, coll DAG, DCC

pres. 31 August

3338. Centrolenella prosobolus

"

pres. 1 Sept

(P)

3339.

"

"

"

Trail from Casa Mengo to Casa Frank, S of ~~the~~ summit of trail,  
Volcán Cacao, Prov. Guanacaste, Costa Rica 1260 m elev.

31 August

3340. Eleutherodactylus crassidigitus coll DAG, DCC

pres. 1 Sept





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1987

# Catalogue

Trail from Finca Harold to Casa Mingo, Volcán Cacao, Prov.  
Guanacaste, Costa Rica, 910 m elev.

2 September 3341. Elaphe traspis, coll DAG, DCC pres. 5 Sept. (P)

ca. 0.2 km W Costa Rica Hwy. 1 on first paved rd N (10.0 km N)  
entrance Santa Rosa National Park along Hwy. 1, Prov. Guanacaste,  
Costa Rica

3 September 3342. Odolgyon boulengeri, coll DAG, DCC pres. 5 Sept. (P)

3343. Rana pipiens " "

3344. Leptodactylus melanonotus " (P)

3345. 3 recently metamorphosed Odolgyon staufferi "

3346. Physalaemus pustulosus " "

3347. " " "

3348. " " "

3349. " " "

3350. " " "

3351. " " "

3352. " " "

3353. " " "

3354. " " "

3355. " " "

3356. " " "

3357. Hyla microcephala " "

3358. " " "

3359. " " "

3360. " " "

3361. " " "

3362. " " "

~~3363~~ 3363 " "

~~3364~~ 3364 " "





J. A. Good  
1987

## Catalogue

5.8 km E ranch headquarters at Moravia on rd. to Indian Reservation, Prov. Cartago, Costa Rica 1240m elev.

6 September 3365. Ameiva festiva, coll DCC, DAG pres. 6 Sept.

3.3 km E ranch headquarters at Moravia on rd. to Indian reservation, Prov. Cartago, Costa Rica 1270m elev.

6 September 3366. Ameiva festiva, coll DAG, DCC pres 6 Sept

3367. Celestus Diploglossus bilobatus, "

3368. Celestus " " " "

2.8 km E ranch headquarters at Moravia on rd to Indian reservation, Prov. Cartago, Costa Rica 1250m elev.

6 September 3369. PtychoGLOSSUS plicatus coll DAG, DCC pres 6 Sept.

3.0 km E ranch headquarters at Moravia on rd. to Indian reservation, Prov. Cartago, Costa Rica 1270m elev.

7 September 3370. Anolis humilis, coll DAG, DCC pres. 8 Sept.

20.6 km E Turrialba-Limon Hwy. on rd. to Moravia, Prov. Cartago, Costa Rica 910m elev.

7 September 3371. tadpole (Smilisca?) coll DAG, DCC pres. 8 Sept.

Stanley's Woods, 1.5-3.0 km E Río Frio rd. at 1 km NW entrance Estación Biológica La Selva, Prov. Heredia, Costa Rica

9 September 3372. Rana palmipes coll DAG, DCC pres. 10 Sept.

3373. " " " "

3374. Agalychnis callidryas " "

3375. Ololygon - lot of recently transformed animals

(P)





Starkey's Woods, 1.5-3.0 km E Río Frio rd. at 1 km NW entrance  
Estación Biológica La Selva, Prov. Heredia, Costa Rica

9 September

3376. Agalychnis tadpoles all TAG, DCC3377. Odolygon tadpoles "3378. 2 recently metamorphosed "Leptodactylus pres 10 Sept.3379. Hyla aberrata "

3380. " "

3381. " "

3382. " "

3383. " "

3384. " "

3385. " "

3386. " "

3387. " "

3388. " "

3389. " "

3390. Agalychnis tadpoles "3391. Agalychnis callidryas "

3392. " "

3393. Hyla aberrata tadpoles "3394. Rana palmipes "

pres. 11 Sept

"

10 September





D.A. Good  
1987

## Catalogue

Groshong Gulch, ca. 1/4 mi E Bridge over N Fk. Gualala R. at jct.  
with Gualala R., Mendocino/Sonoma Co., Calif

5 December 3395-3401 Dreanptodon ensatus coll. J. Vendum, D.A. Good

Tributary Garcia R. at jct. Eureka Hill Rd. + Garcia R.,  
Mendocino Co., Calif. [T 12 N R 16 W, W-central Sec. 14]

5 December 3402-3405 Dreanptodon ensatus, coll J. Vendum + D.A. Good





DA Good  
1988

## Catalogue

2.1 mi W Hwy. 101 at Cloverdale on Cherry Creek Road, Sonoma Co., Calif.

23 January

3406-7. Dicamptodon ensatus, coll. DAG, S. Marks, K de Queiroz, D. Cary, S. Worster

N Bank Pistol R. Rd., 7.2 mi W [rd]. Pistol River, Curry Co. Oregon

6 March

3408-15. Rhyacotriton olympicus, coll. G. Z. Wurst, DAG

S Bank Rogue R. Rd., 1.9 mi (rd.) E Quosatana Cr. Bridge, Curry Co., Oregon

6 March

3416-25 Rhyacotriton olympicus, coll. G. Z. Wurst, DAG

3426-7 Dicamptodon ensatus

N Bank ~~Chetco~~ Chetco R. Rd., 9.9 mi E Hwy. 101 at Brookings, Curry Co., Oregon

6 March

~~3428~~ 3428-37 Rhyacotriton olympicus, coll. G. Z. Wurst, DAG

3438-42. Dicamptodon ensatus, " "

3443. Taricha granulosa, " "

3444.-49 Plethodon dunni, " "

Rowdy Cr. Rd., 0.6 mi E Hwy 101 at Smith River, Del Norte Co., Calif.

6 March

3450. Dicamptodon ensatus, coll. G. Z. Wurst, DAG

3451. Plethodon elongatus, " "

3452. P. dunni, " "





DA Good  
1988

## Catalogue

Immediately S Wedding Rock, Patrick's Point State  
Park, 5 mi N Trinidad, Humboldt Co., Calif.

— 3453-61 Rhyacionia dympicus, coll. D. Waters

Savage Creek, 2.5 mi N Trinidad, Humboldt Co., Calif.

— 3462-4 Rhyacionia dympicus, coll. D. Waters

not

Arcata Community Forest, Arcata, immediately S Humboldt  
State University, Arcata, Humboldt Co., Calif.

— 3465-70. Rhyacionia dympicus, coll. D. Waters

Near Shaw Creek, ~~just~~ Yager Creek Drainage, near  
Hydesville, Humboldt Co., Calif.

— 3471. Rhyacionia dympicus coll. D. Waters

Shale Rock Cr., 8.9 mi N Gualala R. Bridge on Hwy 1,  
Mendocino Co., Calif.

13 March 3472-75. Dacnusa ensatus, coll. DAG + N. L. Waver

USFS Rd. 2235, 0.3 mi W jct. USFS Rd. 2234, Yamhill Co.,  
Oregon [T. 5S, R. 9W, N-central sec 35].

18 March 3476-85. Rhyacionia dympicus, coll. DAG + E. M. Smith

Pump station above Hawk Creek Golf Course along Hawk  
Creek, Tillamook Co., Oregon [T. 5S, R. 11W, SE 1/4 sec 25]

20 March 3486-91. Rhyacionia dympicus, coll. DAG, E. M. Smith





D.A. Good  
1988

## Catalogue

Majors Rd., ca. 1.5-2.0 mi N Hwy 22 at tributary Ead Cr.,  
Yamhill Co., Oregon [T. 5S, R. 8W, NE  $\frac{1}{4}$  Sec 19]

19 March 3492-94. Rhyacotriton olympicus<sup>coll</sup> DAG, E. M. Smith.

ca. 100 yards upstream on S side Little Nestucca R. Rd. 1.6  
mi W jct. Hwy 22, ~~Yamhill~~ Tillamook Co., Oregon [T. 5S, R. 9W,  
SW  $\frac{1}{4}$  sec 29]

18 March 3495-3503. Rhyacotriton olympicus, coll DAG, EM Smith

Upton Cr., ca. 200 yards E Hwy 101, Tillamook Co., Oregon  
[T. 5S, R. 10W, SW  $\frac{1}{4}$  sec 7] (Smith)

20 March ~~3494~~ 3504-3513. Rhyacotriton olympicus coll. DAG, E. M. Smith  
3514. Plethodon dunni " "

0.9 mi E jct. Little Nestucca R. Rd. on Hwy 22, Yamhill  
Co., Oregon [T. 5S, R. 9W, N-central sec 34]

19 March 3514-21. Rhyacotriton olympicus coll. DAG, E. M. Smith

0.3 mi S Little Nestucca R. Rd. on Squaw Cr. Rd. (USFS  
1633), then 0.2 mi W on USFS rd, Tillamook Co., Oregon  
[T. 5S, R. 10W, NW  $\frac{1}{4}$  sec. 22]

18 March 3522-26. Rhyacotriton olympicus coll DA, Good, E. M. Smith

USFS Rd. 2234, 0.2 mi S jct. USFS rd. 2282, 6.3 mi  
N ~~Little Nestucca R. Rd.~~ <sup>Hwy 22</sup> Yamhill Co., Oregon [T. 5S, R. 9W,  
NW  $\frac{1}{4}$  sec. 14]

18 March 3527-32. Rhyacotriton olympicus coll DAG, E. M. Smith

1982

451



DA Good  
1988

# Catalogue

ca. 200 yds up Small Cr. from Little Nestucca R. Rd.,  
Tillamook Co., Oregon [T. 55, R. 9W, NW 1/4 Sec 29]

18 March 3533-42. Rhyacotriton olympicus coll DAG., E.M. Smith

0.3 mi W jct. USFS Rd. 2234 on USFS Rd. 2235,  
Yamhill Co., Oregon [T. 55, R. 9W, N central Sec. 35]

18 March 3543. Plethodon coll DAG, E.M. Smith

0.9 mi E jct. Little Nestucca R. Rd. on Hwy 22, Yamhill  
Co., Oregon [T. 55, R. 9W, N central Sec 34]

19 March 3544. Plethodon coll DAG., E. M. Smith

5.2 mi W Gasquet on Hwy 199, Del Norte Co., Calif

7 March 3545-7 Rhyacotriton olympicus coll DAG, G.Z. Wurst

~~3548-55~~ Dicamptodon ensatus "

3555-6. Ensatina eschscholtzii "

Winchuck R. Rd., 9.9 mi E Hwy 101 (1.6 mi E Winchuck R.  
Campground), Curry Co., Oregon

6 March 3557-67. Rhyacotriton olympicus coll DAG, G.Z. Wurst

3568-73 Dicamptodon ensatus " "

3574. Plethodon dunni " "

Jct. S Fork Rd. + Rd. to Buck Mtn., Del Norte Co., Calif

7 March ~~3575~~ 3575-8. Ensatina eschscholtzii coll DAG, G.Z. Wurst

Vicinity Willow Creek, Humboldt Co., Calif

3579-84, Aneides flavipunctatus coll DAG, G.Z. Wurst





D. A. Good  
1989

Catalogue

0.7 mi S jct USFS Rd. 2280 (1280 on USFS map) on USFS  
Rd. 2281, Tillamook Co., Oregon [T. 6S, R. 9W, N-central  
Sec. 3]

29 March 3592-~~97~~ Rhyacotriton olympicus

212086

Waterfall on S bank Stellwell Cr., ca. 0.5 mi W jct  
USFS Rd. 12 on USFS rd. 1287, Tillamook Co., Oregon  
[T. 5S, R. 9W, SW  $\frac{1}{4}$  sec. 33]

29 March ~~3595-97~~ Rhyacotriton olympicus  
3593-95

212087-9

ca. 1 mi N on Rd. from Hwy. 18 toward Fall Cr.,  
Tillamook Co., Oregon [T. 6S, R. 9W, NW  $\frac{1}{4}$  sec. 16]

29 March 3596-98 Rhyacotriton olympicus

212090-92

~~4 mi~~ 4.0 mi N Grande Ronde Agency on Agency Cr.

3 mi (rd.) N Agency Cr. Access Rd. on Yoncalla Rd.,  
Yamhill Co., Oregon

30 March 3599-~~3607~~ Rhyacotriton olympicus  
3606

Hwy. 307 along Siletz R., 6.5-7.5 mi N jct. Hwy. 410,  
Lincoln Co., Oregon

30 March ~~3608~~-3607-16 Rhyacotriton olympicus

1.2 mi E USFS Rd. 3353 on Hwy. 33, Coos Co., Oregon  
[T. 32 S, R. 11W, SE  $\frac{1}{4}$  sec. 13]

~~31 March~~

31 March 3617-18 Rhyacotriton olympicus





D.A. Good  
1988

## Catalogue

Fern Canyon, Home Cr., Prairie Cr. Redwoods State Park,  
Humboldt Co., Calif

27 March

3582-88. Rhyacotriton dympicus coll D. Waters

Reese Canyon, 15.0 mi N Dry Cr. Rd. on Reese Canyon Rd.,  
N of Ellensburg, <sup>Kittitas Co.</sup> Washington

9 April

3589-91. Elgaria coerulea coll. DAG, EMSmith, DM Darda, P.A. Garvey,  
J. Darda





D.A. Good  
1989

# Catalogue

Burnt Mtn. Rd, 0.5 mi E jct. Brewster Rock Rd.,

Croos Co, Oregon  
22

31 March 3619-~~23~~ Rhyacionia lymperis

Schooner Gulch, ca 12 mi N Gualala R. Bridge on Hwy 1,

Mendocino Co., Calif

12 September 3623-27 Dicamptodon tenebrosus coll. DAG, Anna Graybeal

Bear Wallow Cr., ca. 1/4 mi upstream from jct. with

Rancheria Cr., Mendocino Co., Calif

12 September 3628-3636 Dicamptodon tenebrosus coll. DAG, Anna Graybeal

St. Onnes Cr., 3.4 mi N Gualala R. Bridge on Hwy 1, Mendocino  
Co., Calif

12 September 3637-3646. Dicamptodon ensatus coll. DAG, Anna Graybeal

Tributary of N fork of E fork of Rock Creek, N. Umpqua

R. drainage, ca. 9.3 mi NE of Hwy 138 in <sup>state</sup> County Hwy 78 + BLM

24 November 3647-3649. Rhyacionia lymperis

coll. J. Mires (BLM) +

A. Lind

Roads, Douglas Co, OR  
T255R1W SE7 (SE4)  
ca 2500 ft elev.

Same locality as above

24 November 3650-52 Rhyacionia lymperis





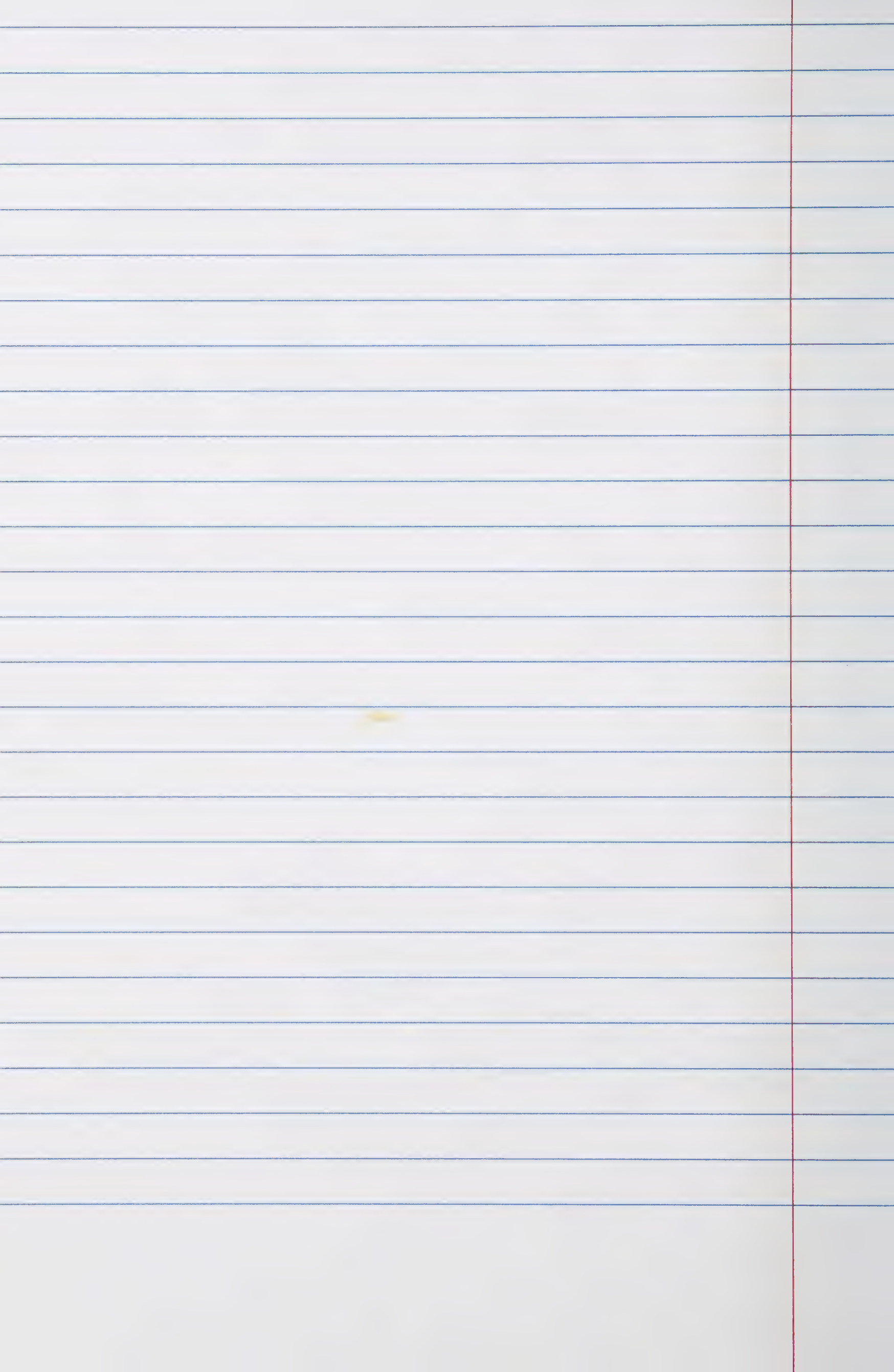
# Species Accounts

Mountain Chickadee  
Costa Rica





# Mountain Chickadee



A. Good  
1980

## Mountain Chickadee

1 mi. N + 2 mi. W Crockett Plk., 3800 ft., Lake Co., Calif.

20 May

Saw first chickadee of trip (see Journal) in a black oak - tried squeaking at it but it showed little effect. I got close enough to shoot w/  $\frac{1}{2}$  load but missed. The bird then moved off calling constantly and before I could get another shot at it it flew to the top of a large Ponderosa pine + then disappeared.

22 June

Telephone Campgrounds, ~~2010~~ 2010 m,  $1\frac{1}{2}$  mi N,  $\frac{1}{4}$  mi W Black Butte, Glenn Co., Calif. [T. 22 N, R. 9 W, NW  $\frac{1}{4}$  sec. 21]

Lots of chickadees here with many calling - I haven't heard a lot of songs.

22 June

$\frac{1}{4}$  mi N Black Butte, 2080 m., Glenn Co., Calif. [T. 22 N, R. 9 W, NW  $\frac{1}{4}$  sec. 27]

Shot a pair of chickadees here (with 1 shot) and also collected 7 nestlings from a nest which was undoubtedly theirs (see Journal).

22 June

$\frac{1}{4}$  mi E Anthony Plk., 1950 m, Mendocino Co., Calif. [T. 23 N, R. 10 W, SW  $\frac{1}{4}$  sec. 15]

There seem to be fewer chickadees here than elsewhere today, although this may be because we got here late in the day.

Songs of all birds heard today consist of 3 descending notes ("3 blind mice" according to Susan Kaiser)





A. Good  
1980

## Mountain Chickadee

1/4 mi. E Anthony Pk., 1950 m., Mendocino Co., Calif.  
[T. 23 N, R. 10 W, SE 1/4 sec. 15]

23 June

Chickadees seem more common this morning than they did last night (not surprising). Birds continue to sing "3 blind mice" but there doesn't seem to be a lot of singing going on - only once in a while do I hear a bird singing in the distance and then ~~and~~ sometimes the song consists of only the first 2 notes.

I have come to the realization that chickadees are hard to ~~retrieve~~ retrieve from the upper branches of a fir tree after being shot.

8 mi. N + 6 mi. W North Yolla Bolly Mtn., 1480 m.,  
Trinity Co., Calif. [T. 25, R. 11 W, NW 1/4 sec. 3]

24 June

Arrived here ca. ~~1730~~ 1730. Though I hear a few calling (no songs), the birds don't seem very common. This could either be an effect of the habitat (see Journal) or the time of day or both.

25 June

Chickadees still <sup>relatively</sup> scarce (though by no means rare) → probably a function of too few stands of large trees. Though the birds seem to prefer large trees, I came upon one pair in 3 m. tall replanted Ponderosa pine.

Found a nest w/ 8 yg. in a Fir (ca. 1 m. DBH) - the hole was 1.75 m from the ground and the cavity was <sup>(ca. 20 cm. deep) lined w/ feathers</sup> behind a piece of bark which was easily removed by pulling. The





D. A. Good  
1980

Mt. Chickadee

8 mi. N + 6 mi. W North Yolla Bolly Mtn., 1480 m., Trinity Co., Calif. [T. 28 N, R. ~~10~~ W, <sup>NV</sup> sec. 4]

25 June (cont) yfg. were collected (+ were 6-8 days old). - some were used for ~~phototyping~~ <sup>haematotyping</sup> + tissues were taken from others (see catalogue).

Birds here do not sing "3 blind mice"; the notes are instead 1 high + 2 lower, w/ the last 2 at the same frequency.

Sounds more like a regular chickadee.

26 June Went out collecting chickadees in morning - ran into 1 pair up in high conifers that refused to come down low enough to shoot but seemed very interested in my owl imitations. Most chickadees at this time of year seem to be in family groups.

$\frac{1}{2}$  mi. S + 1 mi. E Good's Mtn., 915 m., Shasta Co., Calif. [T. 29 N, R. 10 W, N  $\frac{1}{2}$  sec. 9]

26 June Collected the only a chickadee I saw here - it responded to my being mobbed by several other small passerines (see journal). This bird had the feathers missing from the top of its head and this did not seem to me to be the result of my shooting it  $\rightarrow$  possibly an old injury. <sup>? collected from a Black oak - evergreens nearby.</sup>

$\frac{1}{2}$  mi. S + 1 mi. W Scott Mtn., 1620 m., Trinity Co., Calif. [T. 39 N, R. 7 W, SE  $\frac{1}{4}$  sec. 5]

27 June Chickadees fairly numerous here but not exceptionally so. Song similar to Yolla Bolly site (perhaps <sup>perhaps not</sup> 3rd note a slight bit higher than the 2nd.) I only heard ~~one~~ one song.

Chickadees seem to respond more to owl imitations, etc than 4.





D.A. Good  
1980

~~Chickadee~~  
Mt. Chickadee

1½ mi. N + 3 mi. W Eaton Pk. 1650 m., Siskiyou Co., Calif.  
[T. 40N, R. 10W, SW¼ sec. 14]

28 June

28 June

Chickadees not common here. I didn't manage to collect any though I heard a few in the distance and saw 2 too high to collect. Song here "normal" - 1 high, 2 lower + at same pitch as each other.

End of T. 40N54, 1½ mi. N + 2½ mi. W Eaton Pk., 1830 m.,  
Siskiyou Co., Calif. [T. 40N, R. 10W, SE¼ sec. 14]

29 June

This locality is only about ½ mile up slope from the last one so it is not surprising that the birds still sing a "normal" song. Bob found a nest in a fir(?) stump about 1½ m. off the ground. DBH - 25 cm., Diameter of hole ca. 3-4 cm. Depth of cavity - 4-5 cm. - nest chamber well back into stump. Bob cut the hole larger + reached in. There were 7 newly hatched yg. + 1 egg which it was obvious was not going to hatch. I had shot the ♀ so I left the ♂ to take <sup>care of</sup> ~~the~~ the yg. He appeared while we were still there + was a bit taken aback by the reconstructed hole. He eventually entered however + we left him to it.

entered + left not  
3 times while it  
entered but never  
it rid of food  
it was carrying

Thompson Ridge, 1 mi. S + 3 mi. W Pyramid Pk., 1580 m.,  
Siskiyou Co., Calif. [T. 18N, R. 6W, NW¼ sec. 10]

30 June

Chickadees quite common but quiet after early <sup>mid</sup> morning. Song here normal. I had one flock very excited about my Pygmy owl call but, as seems to be very common, they would not come down low enough to shoot. Perhaps I should ~~hide~~ <sup>hide</sup> myself better.





A. Good  
1980

## Mt Chickadee

N Slope Whaleback, 9 mi. N + 5 mi. E summit Mt. Shasta,  
1800 m., Siskiyou Co., Calif. [T. ~~43~~ N R. ~~3~~ 2 W, SE  $\frac{1}{4}$  sec. 20]  
43

2 July

Got here late in afternoon when birds are usually quiet. However there are very large numbers of Chickadees apparent anyway. Probably a function of their preference for small conifers.

3 July

Chickadees very common, especially in younger stands of firs mixed w/ chaparral vegetation. Song seems normal although Bob Zink thinks that the last note is a bit higher than the second. This may be true but I can't decide one way or the other.

Chickadees vary in their response to pishing, etc. If they see you, they <sup>often</sup> tend to stay farther away than do other spp. such as juncos, warblers, kinglets, etc. A common occurrence is to have them fly back + forth outside of gunshot range in the tops of large trees while scolding.

They <sup>often</sup> respond to Pygmy owl imitations interspersed w/ pishing or to a ~~whistled~~ <sup>whistled</sup> imitation of their song. This varies w/ time of day and, of course, w/ individual.

W slope Whaleback,  $8\frac{1}{2}$  mi. N + 2 mi. E. Mt. Shasta, 2050 m.,  
Siskiyou Co., Calif. [T. 43 N, R. 3 W, SW  $\frac{1}{4}$  sec. 26]

4 July

Chickadees also very common here (only ca. 3 mi from last locality). Song same as last locality. Bob + I separately ran into the same chickadee in the chaparral several hundred ~~m.~~ m. from the nearest live trees. Lots of dead snags around.





A. Good  
1980

Mtn. Chickadee

Spencer Creek, 1230 m., 2 mi. N + 3 mi. E Buck Mtn., Klamath Co., Oregon [T. 39 S, R. 6 E, SW  $\frac{1}{4}$  sec. 2]

~~6~~ 6 July I was sick so paid little attention but Chickadees fairly numerous. There was some controversy between Bob + Susan as to whether they were Mtn. or Black-capped.

7 July Controversy solved today - Bob collected 2 chickadees - they were Mtn. Song here "normal"

Howard Prairie Campground, ca. 4 mi. W Brush Mtn., Jackson Co., ~~Or~~ Oregon

8 July Song normal.

11 mi. S + 2 mi. W Mt. McLaughlin, 1430 m., Jackson Co., Oregon [T. 38 S, R. 4 E, SW  $\frac{1}{4}$  sec. 4]

9 July Only ran into 1 family group but didn't collect any for fear of shooting in the direction of the others out collecting. Song normal.

Near Rye Spring, 2 mi. S + 2 mi. W Mt. McLaughlin, 1500 m., Jackson Co., ~~Or~~ Oregon [T. 36 S, R. 4 E, NE  $\frac{1}{4}$  sec. 28]

10 July Attracted several on different locations by imitating Pygmy Owl. also attracted Chestnut-backed Chickadees which seem to be living in sympatry (I saw 1 single + 1 pair this morning as well as several mt. Chickadees). At one point I shot 3 chickadees within a few seconds + a few feet of each other - (2 Mtn. + 1 Chestnut-backed Chickadees)





A. Good  
1980

Mt. Chickadee

1 mi. S + 4 mi. E Odell Butte, 1580 m., Klamath Co., Oregon  
[T. 24 S, R. 7 E, SW 4 sec. 26]

11 July Song normal. Chickadees very common here but I refrained from collecting any since Bob only had 5 left on his Oregon collecting permit + I decided to save them for a more distant locality. Bob collected 1 ♀ (DAG 142).

Steens Mtn, Harney Co., Oregon

12 July - I have seen no decent Chickadee habitat here in any of the places we have been (see journal) - no conifers except Juniperus at intermediate elevations.

15 July

Martin Creek Ranger Station, 2060 m., 1/2 mi. N + 1 mi. E  
Chocolate Mtn, Humboldt Co., Nevada [T. 44 N, R. 39 E, NW 4 sec. 24]

Apparently, mtn. Chickadees are not as restricted to conifers as I thought - Bob collected 2 juvenile birds from a family group here in aspen forest. No conifers to any significant degree for miles.

16 July

Saw an adult in the same place Bob got the juveniles yesterday - probably a parent. It did not cooperate so I was unable to collect it.

1/2 mi. N + 1 mi. W Eragria Mtn, 2150 m., Ventura Co., Calif. [T. 8 N, R. 20 W, NE 4 sec. 15]

24 July

Chickadees common. S. Kaiser heard the territorial song + said it was of the normal type. Though one would expect more juv. than ad. birds 6 out of 7 we collected were adult.





A Good  
1980

## Mtn Chukadee

1½ mi. N + ½ mi. W Frasier Mtn., 1720m., Ventura Co., Calif. [T. 8N, R. 20W, SE¼ sec. 9]

25 July I wanted to see if chukadees occurred in the extensive stands of piñon pine in this area rather than only in the Jeffrey pines I collected in yesterday (only at higher elevations). Indeed they do, + quite commonly. This means that their potential range is much greater than it otherwise would have been. I heard several songs today of varying types. Some sounded "normal", others had the last note possibly a shade higher, others (prob. yg birds) quavered considerably. One bird sang a 4 note song - - - -.

Angeles Natl. Forest (NW portion), Los Angeles Co., Calif

25 July (cont) The wildlife biologist at Sanger RS said that mtn chukadees are common in the Sawmill mtn region in the N part of the forest. If so, it is not shown by Behle or Grinnell + Miller. Tomorrow we will find out.

Sawmill Campground, 1550m., 1½ mi. N + ½ mi. E Burnt Plk., Los Angeles Co., Calif. [T. 7N, R. 16W, NW¼ sec. 15]

26 July Chukadees here (not mentioned by Grinnell + Miller) though only moderately common. Sympatric w/ Plain Titmouse which is very common. ~~There~~





A. Good  
1980

Mtn. Chickadee

1 1/2 mi. N + 1/4 mi. W Burnt Pk., 1480 m., Los Angeles Co., Calif. [T. 7N, R. 16W, NW 1/4 sec. 9]

26 July  
(cont)

Lots of chickadees here (one was 14 gms!). Birds seem to be traveling in flocks (prob. family groups)

Messenger Flat Campground + Lightning Pt. Campground, near Mt. Gleason, Los Angeles Co., Calif.

27 July

Gunnell + Miller show an extensive area of chickadee range in this Natl Forest but from what I have seen, the potential habitat is much more spotty. Collected 2 at Messenger Flat in a rather small area of pines. S. Kaiser heard several others. Lightning Pt has a much more extensive stand of conifers + here I got 4. These were all solitary birds rather than in small flocks as most of the birds on this trip have been - an interesting fact in view of this is that 3 out of the 4 solitary birds were adult whereas many of the flocking birds are juv.

1 1/4 mi. N + 1/4 mi. E Mt. Baden-Powell, 2070 m.,

Los Angeles Co., Calif. [T. 3N, R. 8W, NW 1/4 sec. 6]

28 July

Chickadee pie! We got 14 (I got 9) in no more than an hour. The chickadees seem to show some preference for the firs.





A. Good  
1980

Mtn. Chickadee

2  $\frac{1}{4}$  mi. S +  $\frac{1}{2}$  mi. W Ingham Plk., 2000 m., San Bernardino Co., Calif. [T. 2N, R. 2W]

29 July Chickadees again thick here. Lots of flocking young birds.

Black Mtn. Area, 1740+1820 m., Pasadena Co., Calif. [T. 4S, R. 2E]

30 July Chickadees again quite common + flocking. Song here seems normal, perhaps slightly high on 3rd note.

4  $\frac{1}{2}$  mi. S +  $\frac{1}{4}$  mi. E Pine Mtn., 1710 m., San Diego Co., Calif. [T. 15S, R. 5E, SE  $\frac{1}{4}$  sec. 20]

1 August Chickadees sound normal, but with odd (prob. juvenile) songs. It is hard to say.





Costa Rica





1966

D.A. Good

Amastidium velliferum

Cascante Camp

15 April

One collected just inside 1<sup>st</sup> forest, ca 700 m elev On ground



1986  
D.A. Good

Arreiva festiva

Trail from Río Peje to La Cantarrana camp

2 April

Several seen along road, while walking into La Cantarrana.  
None collected. In pasture

4 April

One collected 8:25 AM in open grass near camp shelter - Foraging in sun. Two seen, 1 collected along trail to Río Guacimo, ca 1 km from ~~La~~ Cantarrana, in grass + under vegetation at edge of clearing around trail. 9:30 AM.

Cascante camp

5 April

One caught in mammal snap-trap. Waiting for us when we arrived in camp.

8 April

Several seen among rocks + boulders where the Río Cascante disappears below ground just downstream from camp. Ca 100 PM.

9 April

One collected in depression under log in pasture E of camp. Ca 1030 AM.





1986

D. A. Good

Anadia orellata

1000 m camp

15 April

One collected ca 3 m off ground on loosely hanging  
moss-covered 1 cm diameter branch on broken-off tree.  
In 1<sup>st</sup> forest, collected in AM, in daylight. The lizard was  
in the open + not very wary.





1986  
A. Good

Anothea spinosa

1000 m camp

12 April

One collected at 1050 m in low vegetation in <sup>10</sup> forest  
along trail to Hartsborn's forest plot. Collected at night.



Citellus sever

~~Tridactylus 2050-2200~~

SE slope "1st Maria"

25 April 5 collected in daylight along streams at 2070, 2300 + 2330  
m.

26 April 1 collected in stream near camp in morning





1986  
D.A. Good

Atelopus varius

Cascante camp

7 April 1 collected on large fallen log ca 2 m above l<sub>2</sub>0 over Rio Cascante at ca 700 AM. In open.

Trail from Cascante camp to 1000 m camp

7 April 1 collected on floor of 1° forest - not particularly near water

1030 m elev. Stream above 1000 m camp

11 April 1 collected ca 400 PM on rock in stream. The frog was sitting in the open just above water line + made no attempt to escape. In 1° forest.

Two more were given to us by one of the park guards who came by in the afternoon. These came from the 1500 m site. Male + female in amplexus.

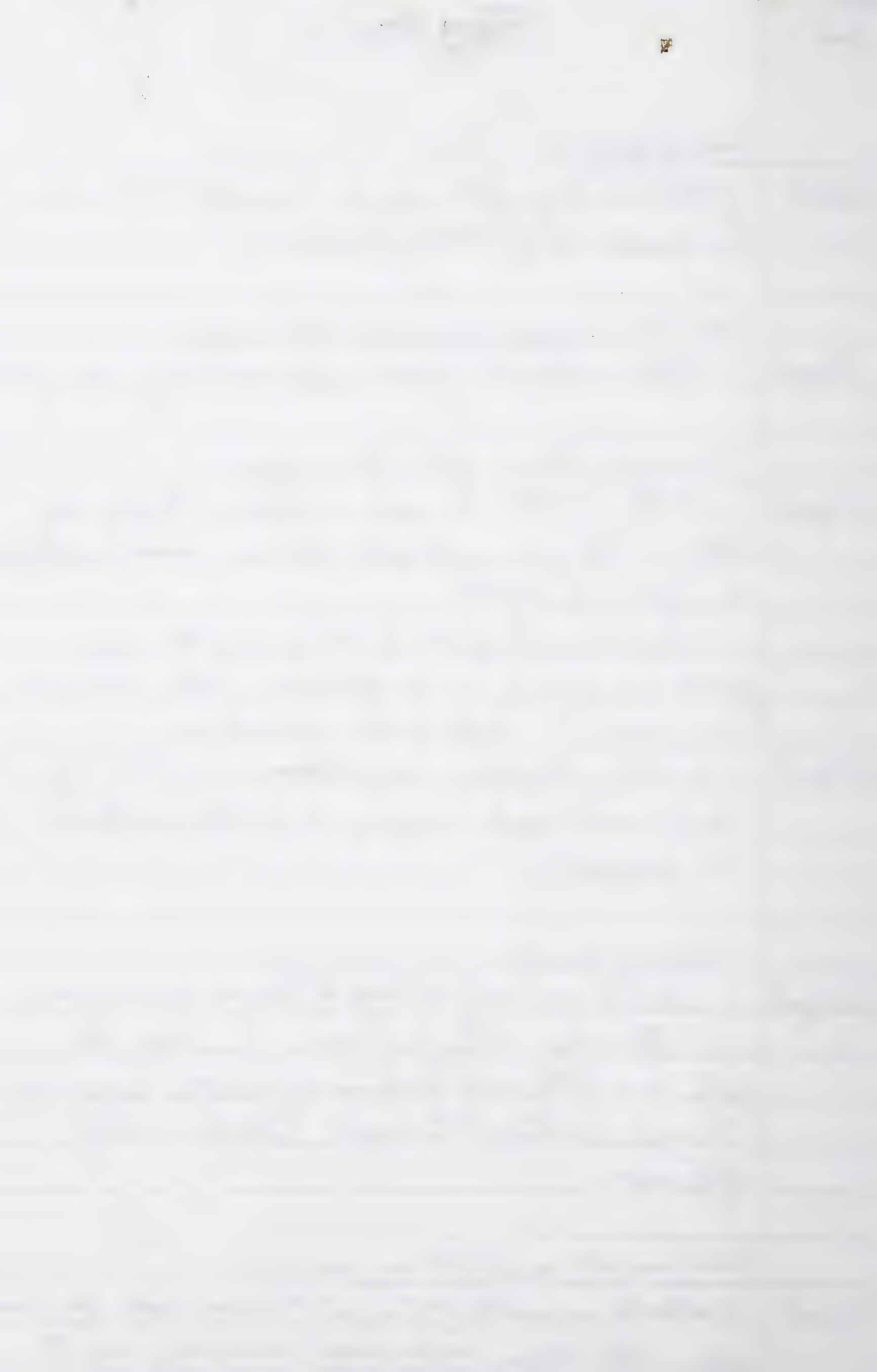
12 April Another collected in same ~~stream~~ river (1030 m) - half submerged clinging to a rock - collected in daylight.

1000 m camp

12 April 1 collected on rock at edge of stream below camp, ca 950 m elev. The frog was ca 1 m above the water on a little rock overhanging by another larger one. It made no attempt to escape. Collected in early afternoon.

Trail from 1000 m to 1500 m camps

14 April 1 collected in middle of trail at 990 m - on edge far from water. All Atelopus so far except 1 in amplexus were ♀♀.





Atelopus varius

1500 m camp

15 April 2 collected along river below camp in daylight.

16 April 2 collected on 1° forest floor in daylight.

Trail from 1000 m camp to 1500 m camp

16 April 1 collected + another seen in 1° forest on ground ca 1230 PM  
at 1420 m elev.

1500 m camp

18 April 1 male collected from leaf ca 4 m off ground in 1° forest.  
Night. ca 10 m from Río San Rafael.

19 April 1 male collected on ground - 1° forest ca 10 m from Río  
San Rafael. Daylight.



1986  
D.A. Good

Basiliscus plumifrons

La Cantarana camp

2 April

One ~~ca~~ ca 2m off ground sleeping at night in vegetation along bank of Rio Cantarana upstream from camp. 8-10 PM.

4 April

One seen at edge of forest surrounding pasture ca. 1 km back up trail to Rio Peje (and to La Selva). ♂ on rock in creek - ran into bushes. ~~ca~~ <sup>ca.</sup> 4:30 PM

Rio Peje, at roadhead to Cascaete camp

8 April

Several of the members of the expedition saw an adult run across the ~~river~~ river. Robin Chazdon told me about it.





1986  
D.A. Good

Bolitoglossa sp. "subpalmata"

1500 m camp  
19 April One juvenile Bolitoglossa taken from a bromeliad on ridge opposite camp. Bromeliad was ca 2 m off ground + salamander was on one of inner leaves (ca  $\frac{1}{3}$  way from middle to outside). This was bromeliad 2 of 24, collected ca 2 PM.  
<sup>later, during</sup> ~~same~~ night Craig found an adult of probably the same species - dark venter with light spots - about  $1\frac{3}{4}$  m off ground on loose moss hanging from trunk of large tree. collected ca. 8 PM.

1800 m camp  
21 April 2 adults collected in forest in daylight. One was buried deeply in the musk at the base of a large bromeliad 6 m above the ground in a tree. The other was in thick, wet moss on a ~~small~~ fallen log.

2050 m camp  
23 April One collected under thick moss on a fallen log in pasture. Another behind a loose piece of earth on a <sup>vertical</sup> road cut. Checking this road cut at night yielded nothing + the same was true of tearing it apart on the 24th. The salamander was ca 2 m off the ground on a vertical earth face.

Trail from 2050 to 2600 m  
23 April One collected under moss on a log at 2300 m elev.





Bolitoglossa colonnea

1500 m camp

12 April

One collected at ca 700 PM by headlamp on the upper side of a fern ~~frond~~ frond ca  $1\frac{1}{2}$  m off the ground in the 1° forest along the ridge which the trail to 1500 m follows. It was just N of the junction of the spur trail to the 1000 m camp.

Weather was drizzly + misty - leaf surfaces very wet.



1986  
DA Good

Bothriechis megarrhinus

\* Trail from 2050 - 2600 camps

23 April One collected ca 2300 m elev. Conditions unknown to me.





1986  
D.A. Good

Bothrops asper

2 April Río Peje "bridge" on trail to La Cantarana camp  
One ca 1 m long seen on La Zona side of Río Peje just beyond bridge. Apparently sunning (?) on trail just above where we had temporarily stacked our backpacks. Moved off trail at our approach. Ca 1245 PM.

5 April Trail betw. La Cantarana + Cascaete camps  
One collected on forest floor in immediate vicinity of a Sphenomorphus which was the original object of attention. 350 m, ca 10 AM. juvenile. Perhaps the Sphenomorphus was a potential food item(?).





1986  
D.A. Gould

Bufo coniferus

Trail from La Cantarrana to Cascante Camps, 450m elev.

6 April One collected on forest floor by R. Chazdon. 1° forest.

1000m camp

13-14 April One heard from camp calling on + off all day both days.

~~15 April~~

Trail from Cascante Camp to 1000m camp

15 April

1 collected on 1° forest floor in daylight.



1986

2A. Good

Bufo marinus

La Cantarrana camp

3 April

1 large adult around lights - eating insects attracted to them - at night. Also 4 tiny toadlets collected along banks of Río Cantarrana 2-5 PM. upstream from camp.

Quebrada Cotalonga

9 April

8 small toads collected on 1<sup>o</sup> forest floor ~~at~~ at 490m elev <sup>in</sup> the ~~ridge~~ ~~Quebrada~~ Quebrada Cotalonga.





1986

D.A. Good

Centrolenella euknemus

1500 m camp

19 April

1 collected in vegetation at night in 1<sup>st</sup> forest.





1986  
D. A. Good

Centrolenella fleischmanni

Cascante camp

8 April

One collected at night ca 1½ m off ground on bush in pasture across Rio Cascante from camp. ca 10-15 m from the River.

~~1500 m~~ 1500 m camp

17 April

2 collected at night in vegetation. 1° forest.

19 April

1 collected at night in vegetation in 1° forest.

1800 m cabin

20 April

1 collected at night in low vegetation in 2° forest.

21 April

1 collected at night in low vegetation.



1986  
D.A. Good

Centrolenella prosoblepon

1000 m camp

12 April

2 collected at night in low vegetation in 1° forest.  
One at 960 m near camp, one at 1000 m in Hartshorn's Forest plot. Both far from water.

1500 m camp

16 April

2 collected from moss gathered for bedding material - mostly from < 2 m from ground on tree trunks.

17 April

3 collected at night in vegetation. Two were ca 2 m above Río San Rafael in close proximity (♂+♀). All 1° forest

18 April

1 collected at night in low vegetation in 1° forest.

2050 m camp

~~25~~ 25 April

1 collected on low vegetation at night - along stream.





D. A. Good

Chironius grandisquamus

5 April Río Tona, on trail betw. La Lantana + Cascante camps  
One large specimen ( $\sim 1\frac{1}{2}$  m?) collected at edge of river at  
ca 500 m elev. at 3:15 PM. The river at this point marked  
the boundary between 1° forest and overgrown pasture.





Delia delia

Trail from Cascurte Camp to 1000 m camp

13 April

1 collected on forest floor in 1° forest at 780 m elevation.  
Collected in PM. Active.

16 April

The above male escaped at 1500 m camp.



1986

D.A. Good

Dactyloa insignis

1000 m camp

12 April

One collected at night sleeping on a palm leaf  
1 meter off ground in 1<sup>st</sup> forest at 1030 m along trail  
to Hartshorn's forest plot.





1986  
J.A. Good

Dendrobates ~~kakapo~~ pumilio

11.5 km S La Selva bridge on trail to La Cantarrana  
Camp

2 April 1 collected on roadbank ca 100 PM. - in Forest

La Cantarrana camp

3 April 3 collected on ground in morning in forest along trail toward  
700 m camp (ca 1 km from La Cantarrana). 2 others collected  
in similar habitat along trail to Río Guacimo 12-2 PM.

4 April 1 female collected by Robin Chazdon + party with a tadpole  
clinging to its back. Found on trunk of tree fern ca  
60-70 cm off ground - jumped to ground when disturbed  
(photographed).

Quebrada Coralonga

9 April 3 collected in 1° forest on ground; one on ridge between  
Coralonga + Las Fuentes streams, 500 m elev and 2 on ridge E of  
Quebrada Coralonga, 600 + 620 m elev.





1986  
D.A. Good

Dendrophidion percarinatum

Trail from 1000 m camp to 1500 m camp

14 April

One collected by runner on ground in AM in 1° forest  
at 980 m elevation. A small individual with 3  
Eleutherodactylus in its stomach.



1986  
D.A. Good

Dendrophidion vintner

Trail from 1000 to 1500m <sup>camp</sup>

16 April

One collected in AM on ground in 1° forest at 990m elev.





Drymobius margaritiferus

Cascante Camp

12 April

One collected foraging on ground in open pasture  
in PM. Near cookhouse.





1986  
D.A. Good

Drymobius melanotropis

Trail from Casante to 1000 m camp

11 April 1 collected on floor of 1<sup>st</sup> forest near river that trail crosses at 770 m elev.

15 April 1 collected in similar circumstances to above, at ca. 960 m elev.

~~18 April~~ ~~1 collected~~

1700-1800 m elev

18 April 2 collected by D. Robinson + F. Muñiz - conditions ~~unknown~~ <sup>unfavorable to me</sup>



1986  
A. Good

Eleutherodactylus altus

1000m camp

10 April

2 collected at night in 1° forest at 990m elev.

12 April

1 collected on ground in AM in 1° forest at 960m elev.

Another collected at night in low vegetation in 1° forest at 990m elev. along trail to Hartshorn's forest plot.

13 April

One collected in low vegetation in 1° forest at 960m elev.  
Night.





1986  
D.A. Gould

Eleutherodactylus andi

1000 m camp

12 April

One collected at night in 1° forest on top of a 1<sup>m</sup> diameter fallen log.

13 April

One collected ~~at night in 1° forest~~ on low vegetation, 960m elev.

Trail from 1000 m camp to 1500 m camp

14 April

1 very large individual collected in daylight from rock in middle of river at 1030 m elev.; 1° forest





1986  
D.A. Gove

Eleutherodactylus biporcatus

Trail from La Cantanara to Casante Camps

5 April

4 collected on forest floor between 350 and 520 m elev. between 10 AM and 305 PM.

Quebrada Covalonga

9 April

5 collected on floor of 1° forest on ridge E of Quebrada, 2 at 590 m elev, 3 at 660.



1986  
D.A. Good

Eleutherodactylus bransfordi

La Cantarrana Camp

3 April 4 collected on ground in AM in forest along trail to 700 m camp, ca 1 km from La Cantarrana.

Trail from La Cantarrana to Cascante camps

5 April 8 collected on forest floor between 350 and 450 m elev. between 10 and 1145 AM.

7 April

Trail from Cascante camp to 1000 m camp

3 collected on floor of 1° forest between 815 and 1000 m elev.

8 April

2 collected during day in 1° forest.

Quebrada Covalonga

9 April

4 collected on floor of 1° forest on ridge E of Quebrada at 580, 580, 580 and 630 m elev.

Trail from 1000 to 1500 m camps

12 April

3 ~~2~~ collected on 1° forest floor at 1040, 1100 and 1130 m elev.

1000 m

~~1000 m~~ Camp

12 April

One taken from stomach of a small Imantodes canhwa collected at night in 1° forest.

13 April

1 collected at night in low vegetation in 1° forest. 960 m elev.



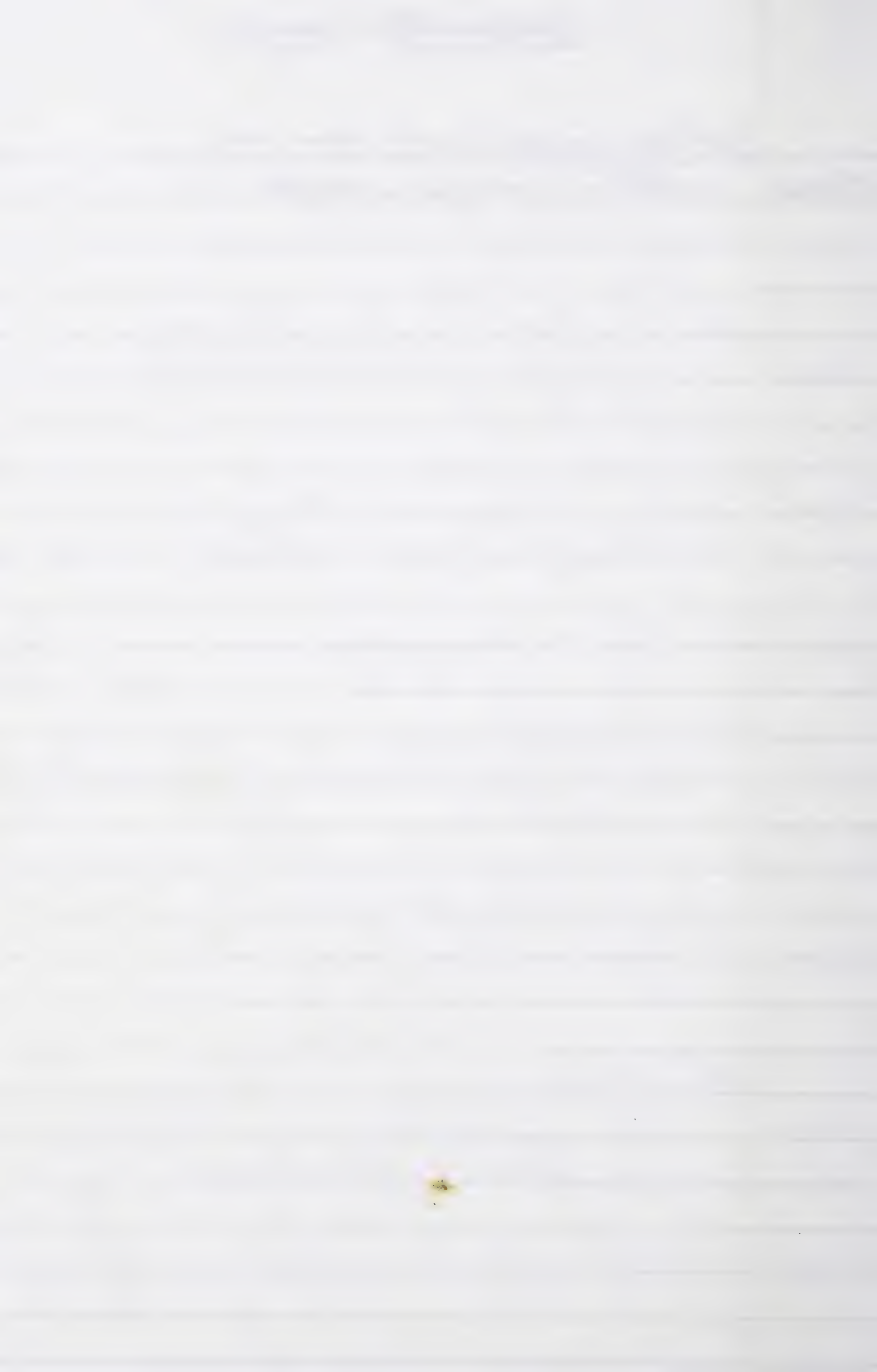


Eleutherodactylus transfordi

Trail from Casavate Camp to 1000 m Camp

15 April

2 collected on 1<sup>st</sup> forest floor in daylight.





1986  
D.A. Good

Eleutherodactylus caryophyllaceus

5 April Trail from La Cantanera to Cascante camps,  
3 collected between 350 and 460 m elev. on forest floor  
between 10 AM and 12:5 PM.

8 April Trail from Cascante to 1000 m camp  
1 collected at night in 1° forest, 30 cm off ground at 720 m  
elev. Another collected in 1° forest at 750 m elev. during day.

12 April 1000 m camp  
4 collected at night in low vegetation in 1° forest. at  
960, 970, 1000 + 1040 m elev. The animal at 1040 m  
was found with a clutch of eggs.

13 April 6 collected in low vegetation at night in 1° forest at 960,  
960, 960, 980, 1000 + 1020 m elev.



1986

Good

Eleutherodactylus cerasinus

Trail from La Cantarrana to Cascante camps

5 April Four collected on floor of 1° forest between 350 and 470 m elev. between 10 AM and 12:10 PM.

Trail from Cascante camp to 1000 m camp

8 April One collected in 1° forest at 700 m elev. 2 m off ground, coll. at night.

Quebrada Coralonga

9 April 3 ~~2~~ collected on floor of 1° forest, one on ridge between Quebradas Coralonga + Las Juntas, 540 m elev, and the other 2 on the ridge E of Quebrada ~~to~~ Coralonga, 580 m.





1986  
A. Good

Eleutherodactylus crassidigitus

1000 m camp

10 April

1 collected at night in 1° forest at 990 m elev.

11 April

1 collected in 1° forest at 975 m elev. collected by day.

12 April

3 ~~2~~ collected in 1° forest at night on low vegetation.  
6 more in similar circumstances on trail to Hartshorn  
forest plot, 1000-1050 m elev.

13 April

8 more collected at night in 1° forest in low vegetation at  
960, 960, 960, 980, 980, 990, 1000 + 1020 m.





1986  
D.A. Good

Eleutherodactylus crientus

La Cantarana Camp

3 April

1 Collected by headlamp ca 30 cm above ground on bank of Río Cantarana above camp.

Trail from Cascante to 1000 m camp

7 April

One collected from tiny bromeliad ca  $1\frac{1}{2}$  m off ground on vine 1 cm diameter. This specimen seems odd to Craig + Federico + we are referring to it half jokingly as "sp. nov." This was ca 1100 AM, 730 m elev.

Another strange crientus was collected at night on a leaf ca.  $\frac{1}{2}$  m off ground by headlamp. This one was ca 800 PM, just inside the 1° forest S of Cascante camp.

Also 1 'normal' crientus collected at about this same time & place.

8 ~~April~~ April

One collected in 1° forest 2 m off ground at 700 m elev. Coll. at night.

1000 m camp

10 April

2 collected at night in 1° forest at 960 m and 990 m elev.

12 April

One collected in low vegetation in 1° forest at night. 2 more in similar circumstances at night along the trail to Hantschov's forest plot.

13 April

3 collected in low vegetation in 1° forest at night at 960, 960 + 1000 m elev.





1986

J. A. Good

Eleutherodactylus chasteus

La Cantanara camp

32 April

Collected along Río Cantanara ca 8:00-10:00 PM in vegetation ca  $1\frac{1}{2}$  m off ground on river bank. Calling. Downstream from camp. Several others heard at night

Trail from Carante camp to 1000 m camp

7-8 April

- Many heard in forest at night, only 1 collected on night of 8 April ca 2.3 m off ground on under surface of small ~~leaf~~ leaf - calling. Another seen  $1\frac{1}{4}$  off ground on trunk of palm. Both in 1° forest.

1000 m camp

10 April

1 collected at night in 1° forest at 990 m elev.

Trail from 1000 m to 1500 m camps

11 April

2 collected in PM in 1° forest at 975 and 1020 m elev.

1000 m camp

12 April

One collected in daylight from bromeliad ca 2 m above ground in 1° forest. 3 others collected by headlamp at night perched on vegetation in 1° forest. Four more collected on vegetation at night along trail to Hartshorn's forest plots.

13 April

9 collected at night in low vegetation in 1° forest at 960, 960, 960, 960, 960, 960, 960, 1000 and 1000 m elevation.





1986  
D.A. Good

Eleutherodactylus diastema

1000 m camp  
15 April One collected inside 1000 m shack at ca 800 AM.

1500 m camp  
15 April One collected in 1° forest.

16 April Several heard from camp at night

17 April One collected at night in 1° forest in low vegetation. This + the specimen from 15 April look very different from diastema from 1000 m.

18 April 3 collected at night. - Craig thinks they sound slightly different than lower diastema as well.

19 April 1 collected at night in vegetation in 1° forest.

1800 m cabin  
20 April 1 collected at night in low vegetation in 2° forest. This one looks more like normal diastema from lower elev. → different from 1500 m animal - perhaps a different sp. in extremely wet area around 1500 m. ?





1986  
D.A. Good

Eleutherodactylus <sup>osuses</sup> ~~angelicus~~

Trail from 1000 m camp to 1500 m camp

16 April 1 collected on floor of 1° forest at 1:00 PM 1460 m elev.

1500 m camp

16 April 9 more collected in similar circumstances in daylight.

17 April 3 collected in daylight on 1° forest floor. ~~Many more seen but not collected.~~

18 April 1 collected on muddy slope beside camp. Daylight

19 April 2 collected on ground in 1° forest near camp. Daylight. Many more seen but not collected.

1800 m cabin

20 April 1 collected at night in 2° forest.

21 April 1 collected in daylight on forest floor.

2050 m camp

23 April 1 collected under unclear circumstances.





Eleutherodactylus fitzingeri

La Cantarrana camp

2 April One collected ca 8 PM ca  $\frac{1}{2}$  m off ground in vegetation along edge of Río Cantarrana upstream from camp. Another collected 8-10 PM downstream from camp on rock in middle of Río Cantarrana. Several others heard in night,

4 April One collected at night along Río Cantarrana.

Trail from La Cantarrana to Cascante camps,

5 April 1 collected at 500m, 2:10 PM. On forest floor.

Cascante camp

7 April These seem to be fairly common in the pastures around Cascante camp - we hear them calling almost constantly. Several were collected, mostly at night or early in the morning. One was caught in a mammal snap trap.

9 April 2 collected in pasture E of camp. 12-2 PM, 700m elev. In grass. Others heard at night around camp.

~~11~~

1000 m camp

11-16 April Heard periodically around camp.

12 April 2 collected at night in low vegetation. One in 1° forest + 1 in open area around camp. Both 960m.

13 April 1 collected at night in 1° forest in low vegetation at 960m elev.





1986  
DAGood

Eleutherodactylus hylaeformis

~~#~~ 1500 - 1800 m camp

15-20 April

The specimens referred to as strange looking E. diastema are actually E. hylaeformis. See accounts for diastema.

~~20 April~~

1800 m camp

21 April

1 collected at night in low vegetation.

2050 m camp

23 April

2 collected at night in forest.

25 April

1 collected along trail to 2600 m in daylight - from branchhead.  
Another collected on low vegetation in forest at night Arecan  
camp.





Eleutherodactylus melanostictus

1500 m camp

17 April

7 collected at night in low vegetation in 1° forest

18 April

6 ~~7~~ collected - same conditions. One juv. from a moss mat on a branch (horizontal - ca 5 cm diameter) 1½ m from ~~the ground~~ ground in daylight.

19 April

2 collected at night in low vegetation in 1° forest.

~~2~~

1500 m cabin

20 April

1 collected at night in low vegetation in 2° forest.

21 April

3 collected in woodpile outside cabin. Daylight. - all juveniles.



1986  
J.A. Good

Eleutherodactylus minus

Trail from 1000 m to 1500 m camp

11 April

1 collected by day in 1° forest at 1000 m elev





1986  
D.A. Good

Eleutherodactylus noblei

Trail from Casiente camp to 1000m camp

8 April

One collected at night in 1° forest at 700m elev. on vegetation  
1m off ground.





~~Eleutherodactylus~~ pocheiferus

Trail from 1000 m to 1500 m camps

16 April

One collected on floor of 1° forest ca 100 PM 1460 m elev.

via 1500 m camp

17 April

6 collected in daylight 1490-1520 m elev. on 1° forest floor.

18-19 April

Very common on 1° forest floor in daylight. Several collected.

Trail from 1500 m camp to 2050 m camp

18 April

Commonest frog seen between 1500 + 1800. Several collected from forest floor.

1800 m cabin

21 April

Common. 2 collected ~~in~~ morning ~~of~~ at edge of clearing around cabin. On ground.

Trail from 1800 m to 2050 m

21 April

3 collected in daylight on forest floor at 1850 + 1860 m elev.

SE slope "1st Nari"

25 April

1 collected on forest floor in daylight at 2240 m elev.



Eleutherodactylus talamancae

2 April Trail from Río ~~Peto~~ Peje to La Carriñana camp  
One heard in heavy woods just E Río Peje. ID by Federico Bulaños

7 April Trail from Cascante camp to 1000m camp  
2-3 heard both just inside + just outside entrance to 1° forest, ca 700m elev. One collected just outside - on leaf ca 1/3 m off ground.





1986  
D. A. Goad

Emulius sceleratus

Cascante Camp

6 April.

One found dead + mangled in water-filled footprint of a cow - obviously stepped on. This was in pasture E of camp, elev ca. 700m.





1986  
DAGood

Geophis hoffmanni

2050m camp

17-24 April 7 collected under moss + in road cuts around camp.

3 juveniles were collected in the vicinity of some empty reptile eggs but these seem too large for Geophis.



1981  
D. A. Gould

Geophis <sup>nuthveni</sup> ~~sp.~~

1500 m camp

17 April

1 collected under a thick moss mat on top of a fallen log ca 1 m in diameter. Collected ca 130 PM in 1<sup>st</sup> forest - but in open due to tree fall.





1986  
J. A. Good

Gymnophis multiplicata

Trail from Cascante camp to 1000 m camp

7 April

One collected under log in 1° forest at 940 m elev. I will try to keep this one alive.





1986  
D.A. Good

Hyla angustilineata

1500 m camp

17 April 8 collected at night in low vegetation in 1° forest. - along river.

18 April 1 collected along river at night. all 9 are transforming animals

1800 m camp

21 April 3 collected at night in low vegetation.



1986  
D.A. Good

Hyla fimbriemembra

1800 m cabin

20 April I collected at night ca 2 m off ground in 2<sup>nd</sup> forest above cabin (toward 1500 m camp). Just inside forest. Craig thinks this is H. mulicaria, but the boy says fimbriemembra to me...

Very docile - made no attempt to escape when held in the hand at night - possibly confused by head lamps. More active attempts in daylight the next day.

21 April Another collected at night in almost exactly the same spot as the first! - This time hunched up in a bromeliad, ca 2 m off the ground. Both specimens are ~~infested~~<sup>infested</sup> with lice.





1986  
DAGood

Hyla pseudopuma

2050m camp

23-24 April Very common - 10 collected in + around buildings in camp, a couple of them in the kitchen. 5 were taken from bromeliads on the 24th. - They were dark green when collected but changed to the dull brown-green of the others soon after capture.

25 April Abundant - breeding in every water-filled pothole + creek at night. Weather misty. Several collected.  
Eggs everywhere next morning





1986  
D. A. Gould

Hyla nivularis

1800 m cabin

20 April

5 collected at night in low vegetation in 2° growth forest and at edge of clearing around camp. Some, at least, close to stream.

21 April

3 collected at night in low vegetation in forest. - Other heard along stream.



Hyla tesa

1500 m Camp

17 April

1 collected at night in 1° forest near Río San Rafael downstream from camp. ca. 1 m above ~~gravel~~ Río San Rafael. - on rock.

18 April

1 collected in low vegetation, 1° forest, at night.





1986  
D. A. Good

Hyla uranochroa

Trail from 1000 m camp to 1500 m camp

11 April

One collected in the afternoon in a bromeliad ca 2½ m off the ground in 1° forest. Unlike Eleutherodactylus in similar situations, the Hyla did not try to escape - it just sat ~~hunched~~ hunched up in a leaf axil with its red eyes closed. - trying to be cryptic.

~~11~~

1000 m camp

12 April

6 collected at night in 1° forest. One was ca 2½ m off the ground + had to be shaken loose from the small tree in which it was found. The others were in low vegetation. Elevations 960-1010 m.

13 April

2 collected at night in low vegetation in 1° forest. 960 m elev.

1500 m camp

15 April

1 collected in 1° forest in daylight. Conditions unknown.

Trail from 1500 m to 2050 m camp

20 April

1 collected in afternoon in vegetation at 1840 m elev.

1800 m cabin

20 April

1 collected at night in low vegetation in 2° forest.





1986

D.A. Good

Imantodes cinchona

La Cantarrana camp

3 April

One collected by headlamp ca 2m above water along Río Cantarrana upstream from camp. In vegetation. Active

1000 m camp

12 April

3 collected in low vegetation in 1° forest at night. 2 near camp (960m), 1 at 1030 m on trail to Hartshorn's forest plot. One had an Eleutherodactylus bransfordi in its stomach.

13 April

2 more collected at night in low vegetation in 1° forest. 980 and 1000 m elevation.



1986  
J.A. Good

Imantodes inornatus

La Cantarrana Camp

3 April

1 collected by headlamp along Río Cantarrana above camp.  
In vegetation ca 3 m above water. Active.





1986  
2A Good

Leimadophis epinephelus

Trail from 1500-2050m

18 April

2a One collected 1700-1800m by F. Muñoz + D. Robinson.





1986  
A. Good

Lepidoblephanus xanthostigma

1030 m stream above 1000 m camp

11 April

One dug out of a moss covered bank at the edge of the river. Collected ~~in~~ ca. 3-4 PM. 10 frost.



Leptodactylus melanotus

1000 m camp

15 April

1 collected on ground in clearing near 1000 m shack.

Another in the "outhouse" - not collected.





1986  
D.A. Good

Leptodactylus pendadactylus

La Cantarana Camp

4 April

One collected ~~ca~~ in the afternoon in a pasture ~1 km from La Cantarana camp toward Río Peje and La Selva.





Leptodeira septentrionalis

Trail from Cascaete to 1000m camp

8 April One collected ca 1½m off ground in 1° forest at 730m elev.  
Coll. at night



1986

D. A. Good

Leptophris depressirostris

Cascante Camp

5 April One collected by mammalogists + waiting for us when we arrived in camp.

Trail from Cascante camp to 1000 m camp.

7 April One collected ca 800 PM ~~on~~ sleeping ca  $1\frac{3}{4}$  m off ground lying along branch of small tree. This was in 2° growth just S of entrance to the 1° forest.

Cascante Camp

12 April 2 collected in pasture in <sup>PM</sup> ~~the~~. Active, foraging on open ground near cookhouse.





1986  
D.A. Good

Mesaspis monticola

2050m <sup>camp</sup> ~~alt~~

14-24 April 6 collected in pastures around camp. - Daylight.

25 April 3 collected in pasture in daylight. Often under boards + logs - much like other alligator lizards.





1986  
D.A. Good

Micromys neglectus

Cascante camp 700m.

9 April

One collected ca 100 PM under a deeply buried log in pasture - E of camp on trail leading to a couple of houses a ~~couple~~ km or so from camp. ~~the~~

12 April

One collected in PM inside kitchen area of warehouse.



1986  
DA Good

Ninia ~~sp.~~ psephota

1500 m cabn

21 April

1 collected at night active on low horizontal branch ca  
10 m above ground.





1986  
D.A. Good

Nourpsaltae

1800m cabin

20 April 2 collected at night sleeping at the tips of dead fallen branches in slashed-over 2° forest. ca. 1 m off ground. One escaped next morning while being photographed.

2050m camp

20 April 2 collected - circumstances unknown to me

25 April 1 collected on fern leaf ca  $\frac{1}{2}$  m off ground at edge of roadbank - in open but near forested stream. Night.





1986  
J.A. Good

Norops biporcatus

Trail from Cascante to 1000 m camp

11 April

1 collected in daylight in 1° forest at 700 m elev. Just inside forest.

15 April

1 collected at 790 m elev. on 1° forest floor in daylight.



1986  
A. Good

Norops cepito

Trail from Cascante camp to 1000 m camp

6 April

One collected on mossy log in 1° forest.

8 April

One collected at night asleep on a vertical tree trunk ca 2 cm in diameter, 2½ m off ground. In 1° forest, 730 m elev.





1986  
D.A. Good

Norops carpenteri

Trail from La Cantarrana to Cascaote camps

5 April

2 collected on trunks of small trees, one betw. 350 + 400 m elev and the other at 460 m. The lower elev. specimen was collected ca 1000 AM, the higher at 1145, both in 1° forest away from streams (on slopes or ridges).

1000 m camp

13 April

One tiny juvenile collected in 1° forest.





1986  
A. Good

Nowops humilis

La Cantarrana camp

2 April One ca 20 m into forest along trail toward 700 m camp (near 16 km marker). On ground 1730 h.

3 April 3 collected in AM on forest floor along trail to 700 m camp ca 1-2 km from La Cantarrana. Another collected 12-2 PM in similar habitat along trail to Río Guacimo.

4 April 1 collected ca 1 m off ground in trunk of large tree in forest above trail to Río Cantarrana, ca 1 km from La Cantarrana. 10:00 AM

Trail from La Cantarrana to Cascante Camps.

5 April 4 collected from forest floor or on low vegetation between 350 and 400 m elevation in AM (after 10).

Trail from Cascante camp to 1000 m camp

6 April 3 collected in 1° forest.

Cascante camp

6 April 1 collected  $\frac{1}{2}$  m off ground on <sup>large</sup> stump in open pasture ~ 10 m S of plastic shelter in camp.

Trail from Cascante camp to 1000 m camp

8 April One coll. during day on roof support of cabin at 1000 m camp (990 m elev.). Another during day along Quebrada Canajal (730 m).

9 April One collected in AM in 1° forest.





1986  
D.A. Good

Noreps humilis, (cont')

Quebrada Corralonga

9 April 3 collected on floor of 1° forest, ~~one~~<sup>two</sup> along the Quebrada Corralonga (490m elev) and the other on the ridge to the east, 630m elev.

Trail from 1000m to 1500m camps

12 April 2 collected on 1° forest floor at 1080 and 1180m elev. in daylight.

Another collected in similar circumstances near the 1000m camp at ca 960m.

Several others seen but not collected.





1986  
A. Good

Norops lemurinus

La Cantarana camp

4 April

One collected  $1\frac{1}{2}$  m off ground on trunk of large tree  
in pasture  $\pm$  1 km N of camp on trail to Río Peje +  
La Selva.  $\sim$  ~~5:00~~ 5 PM.

Cascante camp

10 April

One collected in AM on wall of corralhouse in camp.

11 April

One collected in AM on wall of outhouse.





1986  
D.A. Good

Nourps linifrons

- 2 April La Cantarrana camp at night. (ca 7 PM)  
1 collected ~~from~~ electrical wire near light bulb in camp.  
Another sleeping ca 1 m off ground on top side of leaf along  
trail to river. <sup>downstream from</sup> ~~of~~ camp. Also night (8-10 PM)
- 3 April One collected ca 2 m above ground in forest ca  $1\frac{1}{2}$  km from  
La Cantarrana along trail to 700 m camp. AM. On branch  
ca  $\frac{1}{2}$  cm diameter.
- 4 April One collected ~~ca~~ ca 1 m of ground on stems of plant  
immediately beside shelter in camp. 2 others seen.





1986

D.A. Good

Nowps oxylophus

La Cantarana camp

2 April 2 collected on rocks in middle of Río Cantarana, upstream from camp. Collected 8:00-10:00 PM. One perched at water's edge with tail dragging in H<sub>2</sub>O. Probable that another had jumped into the water on my approach.

3 April Several collected along banks of Río Cantarana upstream from camp. On ground at banks and on rocks in midstream.

~~La Cantarana~~ Cascante Camp

5 April 1 collected at night on rocks in Río Cascante just below camp.

7 April One collected by headlamp at night along the Río Cascante

8 April Several seen among boulders below point where Río Cascante disappears below ground. One collected ca 130 PM on rock in middle of stream of Cascante. When picked up, it held its arms + legs rigid at its sides (pretending to be a stick?).  
Another collected at 950 m elev on a rock in the stream below 1000 m cabin. Coll during day.

1000 m camp

11 April One egg, probably of this species, found in a moss mat on a boulder in the stream below camp. 1° forest.

Trail from 1000 m to 1500 m camp

12 April Another egg collected in similar circumstances at 1100 m. Also a specimen collected from a rock in the stream at 1030 m.





Nourps tropidolepis

1500 m camp

16 April 2 collected on 1<sup>o</sup> forest floor around camp clearing ca 230 PM.

Trail from 1000 m camp to 1500 m camp

16 April One collected on 1<sup>o</sup> forest floor at 1460 m elev. ca 100 PM.

1500 m camp

17 April One collected at night in low vegetation in 1<sup>o</sup> forest.

18 April 2 collected at night in low vegetation in 1<sup>o</sup> forest.

Trail from 1500 m to 2050 m camp

18 April 2 collected on 1<sup>o</sup> forest floor in afternoon at 1570 m elev.

1500 m camp

19 April One collected 1<sup>o</sup> forest floor, daylight.

1800 m cabin

20 April 1 collected at night in 2<sup>o</sup> forest.

21 April Very common, 6 collected in forest.

Trail from 1800 m to 2050 m cabin

21 April 9 collected between 1800 + 1875 m elev. on forest floor + low vegetation.

~~2050 m~~ 2050 m camp

19-23 April Many collected in forest + pasture - see catalogue.





1986  
DA Good

Norops tropidolepis

Trail from 1800 to 2050m

21 April

This is by far the commonest lizard along the transect above 1500m - so far. 9 collected along trail on ground + in low vegetation between 1800 + 1875m elev.

2050m camp

17-24 April Very common - 15 collected in forest + pasture around camp. We have stopped collecting them.





1986  
A. Good

Nototriton piadovi

1000m camp

11 April

4 collected ~~in~~ in 1° forest along stream valleys. The first was collected by C. ~~Grey~~ Greyer under loose moss ca 1.5 m off ground on a vertical tree trunk beside the river, <sup>(1030m)</sup> ca 1 km S of 1000 m camp along trail to 1500 m camp. This was collected in AM. In the PM, Craig + I walked back toward the site of this collection. Immediately across the stream below camp (960 m elev), we found another under a thick layer of moss ~~on~~ ca 3/4 m off ground on a fallen log. Two more were subsequently collected at the 1030 m site under loose moss, bromeliad + ferns on a vine overhanging a pool at the side of the river (ca 1 m over water). These two were together (one large + 1 small).

While I was concentrating on thick, wet moss on logs, stumps + rocks, Craig ~~was~~ appeared to be concentrating on looser, dryer moss on vertical trunks. It seemed to be having more ~~luck~~ luck + this may suggest something about microhabitat, although the small sample makes this anything but certain.

We also looked in whatever bromeliads were accessible, but bromeliads seem to be less common along the streams than on the dryer ridgetops. - Found nothing in these.

13 April

The tiny specimen from 960 m was found dead + was preserved today - it may have been injured when collected.





1986  
D.A. Good

Nototriton picadori

Trail from 1000 to 1500 m camps

- 16 April 2 collected in moss on a tree ca.  $\frac{3}{4}$  m in diameter - both ca  $\frac{1}{2}$  m off ground. This was beside the trail along a ridge top at ca 1310 m elev. - Unlike below, moss is thicker here, even on the ridges. Nototriton appears to be more often in the moss than under it against the bark.

~~4 collected in moss on trees, although the exact conditions are not known - These were found in the moss that we collected for our beds - the Nototriton (and a couple of Centrolenella) were inadvertently collected as well.~~

1500 m camp

- 16 April 4 more collected in moss on trees, although the exact conditions are not known - These were found in the moss that we collected for our beds - the Nototriton (and a couple of Centrolenella) were inadvertently collected as well.

- 17 April 5 collected in 1° forest in PM, daylight. All but 2 were ~~in~~ <sup>in</sup> moss on tree trunks, varying from 2 cm to  $\frac{3}{4}$  m in diameter. ~~These were~~ All were single specimens. The other 2 were Together on a horizontal branch ca  $\frac{1}{2}$  m off the ground. They were on a bare patch on the branch, not on moss + were in close proximity.

All Nototriton are collected between 0 + 2 m ~~to~~ off the ground - this is  $\pm$  the height we can reach - they probably go up into the canopy (?).

- 18 April 4 more collected from moss on trees. 2 were from ~~moss~~ moss on the ground.

- 19 April 1 collected from moss on tree ca  $1\frac{1}{2}$  m off ground, Seen to be on trees & vines of any diameter.





1986  
DAGood

Nototriton puadovi

1800 m camp

21 April

1 collected ca  $1\frac{3}{4}$  m above ground under moss on a vertical tree trunk in 2° forest ~~thru~~<sup>under</sup> which someone had cleared all the underbrush.

Another collected at night on a leaf in forest - ca. 10 cm above the ground. ~~thru~~

2050 m camp

16 April

1 collected under moss in a hole in a stump in pasture at the roadhead to 2050 m camp.

23 April

3 collected under moss on fallen logs in open pasture



1986  
D.A. Good

Nototriton richardi

1500 m camp

17 April

One + probably 2 (one is small) collected by C. Guyer on ridgetop across Río San Rafael from camp. Elev. 1520m. Both in 1° forest, one under leaf litter, one under moss on the ground. Both in PM, daylight.

Perhaps there is a microhabitat difference between picadori + richardi, with richardi (with smaller feet) being a ground dweller + picadori a tree dweller. Road cuts might be an interface between these habitats, as both are found there.

19 April

Two found in leaf litter - this time in valley of Río San Rafael - not on ridgetop opposite camp as with other 2. Again, these were from leaf litter on the forest floor. Also again, 2 animals together - seems to be a common occurrence in Nototriton.

1800 m camp

21 April

2 collected in leaf litter at the base of a large tree in 2° growth forest from which the understory had been recently cleared. N. richardi always seems to be found in 2's!





1986  
D A Good

Oedipina poelzi

2050m calm

22-24 April 6 collected in open pasture. One was under a brick immediately outside the main house. The others were under moss on and at the base of large logs.

Another was seen by Federico Muñoz + Doug Robinson a few days before ~~at~~ at the base of an earth wall along an abandoned trail inside the forest. - ca 2020m elev.

25 April 2 collected by C. Guyer. One was ca  $1\frac{1}{2}$  m high in moss on a vertical road bank.





1986  
D.A. Good

Oxybelis aeneus

La Cantanara camp

4 April

One collected on ground on trail to Río Peje + La Selva,  
ca.  $\frac{1}{2}$  km from camp. 3:10 PM. Impressive threat  
display while being photographed.



1986  
D.A. Good

Oxybelis brevirostris

La Cantarrana camp

2 April One on upper surface of large leaf ca  $1\frac{1}{2}$  m off ground along bank of Río Cantarrana upstream from camp. Collected ca. 9:30 PM.

3 April One collected 3 m above Río Cantarrana in small tree. Collected at night by headlamp.



Carbajal

1986  
A. Good

Phyllomedusa lemur

1000 m camp

12 April

1 collected at night in 1° forest. Perched across branch  
of fallen bush ca  $\frac{1}{2}$  m off ground.





1986  
D.A. Good

Rana palmipes

La Cantarrana camp

3 April

Tadpoles common along edges of Río Cantarrana above camp. Several collected. Possibly some microhabitat differentiation between this sp. and Rana warszewitschii in the same streams. R.w. appears to be restricted to pools isolated from the main flow while R.p. tends to be more along the edges of open-flowing stream.

~~Elkayes~~

Río Toña, 500m, on trail from La Cantarrana to Cascante camps

5 April

Many tadpoles seen in river from 2 cm to 30 cm depth. 3 collected 3:15 PM. River marks boundary of 1° forest and overgrown pasture.

Trail from ~~to~~ Cascante camp to 1000m camp

8 April

2 tadpoles collected in the Quebrada Carvajal at ca 700m <sup>LA</sup>. Other tadpoles, probably of this species in ~~the~~ most of the streams near camp.



1986  
DA Good

Rana vibicaria

1800m cabin

21 April

2 collected on ground in forest. Daylight

Trail from 1800m to 2050 camp

22 April

2 collected ~~on~~ on ground in forest. Daylight 1870m elev.

2050m camp

24 April

1 collected in daylight. Conditions unknown to me.

25 April

2 collected in wet pasture ~~in~~. Night. 2 others collected in wet pasture in daylight.





Rana warszewitschii

La Cantarana Camp

2 April Tadpoles very common in pools + backwaters along Río Cantarana. 12 collected 8-10 PM upstream from camp.

3 April Several more tadpoles collected in Río Cantarana upstream from camp. Very common. PM

Cascante camp

5 April 1 collected at night on rocks in Río Cascante just below camp.

Trail from Cascante camp to 1000 m camp.

7 April One collected at 795 m elev. in 1° forest. Well away from streams.

Quebrada Corralongo

9 April 1 tadpole collected in stream in 1° forest at 490 m elev. Also in stream were hybrid tadpoles.

Trail from Cascante to 1000 m camp

10 April One collected 4-6 PM on floor of 1° forest at 715 m elev. On ridge well away from water.

11 April Another collected in similar habitat. Elevation unknown.





1986  
DAGood

Rhadinæa calligasta

2050m camp

23 April 4 collected under moss along the edges of large logs in open pasture.

25 April 2 collected under logs in pasture in daylight. Both were much browner than the others collected + DBW expressed doubt as to their ID.



1986  
D.A. Good

Rhadinaea guntheri

1800 m cabin

20 April

1 collected at night active on ground in clearing around cabin.





1986  
D.A. Good

Scaphiodontophis venustus

Trail from La Cantanera to Cascante camp

5 April

One collected at summit of 7th ridge S of La Cantanera (coll. 3800m, 1030 AM). Seen on top of leaf litter on forest floor + chased under roots of palm (sp?).

9 April

Trail from Cascante camp to 10000m camp.

One collected in leaf litter in AM in 1° forest. Was in the open when seen - sat there long enough to be photographed then disappeared under roots - was found coiled up in small crevice. This animal had a Skink or Celestus in its stomach.





1986  
DAGood

Sceloporus malacothrix

2050m camp

23 April 2 collected in morning under logs in open pasture.

25 April 1 collected in pasture in daylight.



1986  
D.A. Good

Smilisca phaeota

Cascante Camp

15 April

2 collected at 700 m camp. Given to us by others on expedition





1986  
D.A. Good

Smilisca sordida

La ~~Catara~~ Cantarrana Camp.

2 April

3 specimens collected at night along Río Cantarrana upstream from camp. All on vegetation on stream bank - 2 ca. 1 m off ground + the other ca 2½ m up. Collected between 8:00 and 10:00 PM.

3 April

One calling from vegetation ½ m above water along Río Cantarrana upstream from camp. Collected at night by headlamp. Another collected ca ½ m above rocks along Río Cantarrana. Same night. Not calling.

4 April

3 collected at night along the Río Cantarrana. Two of these were in anaplexus when collected (by Chris d'Orgeix).

6 April

Trail from Cascante Camp to 1000 m camp  
1 collected in 1° forest on forest floor.





1986  
D.A. Good

Sphaerodactylus homolepis

La Cantarrana Camp

3 April

One seen on post of camp shelter ca noon, later caught.

4 April

One collected on fencepost in camp. ca 4:00 PM



1986  
D.A. Good

Sphenomorphus cherei

La Cantanara camp

2 April

One seen on trail from Río Peje, just before La Cantanara.  
Not collected. Adult.

3 April

1 collected in forest (on ground) along trail to 700m camp,  
ca 1½ km from La Cantanara.

4 April

2 collected in AM - one on ground next to water supply  
stream (10 AM) and the other in forest ca 1 km from  
La Cantanara along trail to Río Guacimo (10:30 AM)

~~4 April~~

Trail from La Cantanara to Cascante camp

5 April

1 collected on forest floor at 450m, 1140 AM.





1986  
D.A. Good

Tantilla reticulata

La Cantarrana Camp, 280m elev.

7 April

One collected by G. Hartstrom + brought to us at Casante  
by Pam Hall.





1986  
D.A. Good

Tantilla sp

Cascante camp

10 April

One collected ca 1030AM on top of same log in pasture that  
the Micromys was collected under yesterday. Active.



1986  
DA Good

Trimetopon gracile

2050m camp

16 April | collected but circumstances unclear - this was collected before we arrived at camp.





1986

D.A. Good

Unidentified anuran eggs  
+ tadpoles

La Cantunana camp

4 April

Several dozen eggs seen in small (~30 cm diameter) puddle in muddy spot on road from camp to Río Peje and La Selva. - Road churned up by cattle. These eggs (EP-61) are being kept alive in hopes of hatching. ~ 320 PM.

5 April

Eggs collected yesterday hatched.

9 April

We had a go at identifying the eggs collected on 4 April today - they are still pretty small but we got them tentatively to Hyla. All are alive + well in a plastic bag full of dirty water.

~~4 hylid tadpoles were collected in the stream at La Cantunana~~

Quebrada Corvalonga

9 April

4 hylid tadpoles were collected in the stream, in 1° forest at 490m elev. - also in stream were Rana nascentis tadpoles.

Trail from 1000 m to 1500 m camp

12 April

Tadpoles of 2 types collected in river at 1030m in slowly flowing water at the edges of the stream. 1° forest. Some indication that they preferred areas of spring inflow.





D. A. Good  
1987

## Species Accounts

Color notes - Nototriton piadai

DAG 3259 - Volcán Cacao, 1490 m elev.

Similar in general color to Nototriton from Monteverde - back dark ~~to~~ brown, tail reddish brown, sides of head behind eyes reddish brown. Back + <sup>sides</sup> tail flecked with gray streaks - no tan or reddish streaks. Limb insertions reddish brown, otherwise limbs dark brown. Venter dark gray - almost but not quite black - throat slightly paler. Both well supplied with granules.

SUL = 22 mm.

Eye bronze

DAG 3260 - Volcán Cacao, 1490 m elev.

SUL 22 mm. tail missing - regenerating

Similar ~~to~~ to DAG 3259 but back redder, reddish-brown markings almost in chevron pattern. Limb insertions brown.

Eye bronze

DAG 3279 - Volcán Cacao, 1420 m elev.

SUL = 16 mm. Dorsum dark brown, tail + sides of head (temporal region) reddish brown. Tail with streaks of tan but streaking lacking on dorsum. Dorsum with small grayish speckling <sup>hardest at edge of ventral color</sup> (granules?). Limb insertions reddish brown. Venter black, well supplied with granules. Eye bronze.

DAG 3280 - Volcán Cacao, 1420 m

9 eggs in moss on tree trunk, 4 ft up. 2 preserved 22 August.

All seem to be well advanced + we hope to raise some to hatching.





D.A. Good  
1987

## Species Accounts

Color notes - Nototriton picadori

DAG 3290 - Volcán Cacao, Prov. Guanacaste, 1475 m

Ordinary color - dark brown back, reddish tail, dark gray sides, black venter with granophores. Limb insertion reddish brown, eyes bronze. No tan streaking + no reddish temporal area.

SVL = 17 mm.

DAG 3291 - Volcán Cacao, 1475 m.

SVL = 17 mm. Similar to 3290 but tannish replacing reddish-brown

DAG 329<sup>2</sup>~~1~~ - Volcán Cacao, <sup>1580</sup>~~1490~~ m

- Generally reddish brown - tail + temporal spots slightly redder. Sides same as dorsum. Otherwise similar to 3290

SVL = 27 mm.

DAG 3293 - Volcán Cacao 1580 m

Same as 3292 - but dorsum even redder

SVL = 23 mm.

DAG 3294 - Volcán Cacao, 1490 m.

Almost identical to 3290 but tail not reddish - similar to dorsum in color. - Venter gray, throat paler. Few Granophores

SVL = 27 mm.





D. A. Good  
1987

Species accounts

Color notes Nototriton pseudoei

DAG 3333 - Volcán Cacao, 1420m

16mm SV. Dorsum + tail reddish brown, tail a bit redder, but not much. No streaking except on sides at gut. with black ventral color. <sup>little there too</sup>

Temporal regions redder than rest of dorsum. Venter black w/ white granophores. Limbs reddish, insertions reddest. Eye bronze.

203333

















